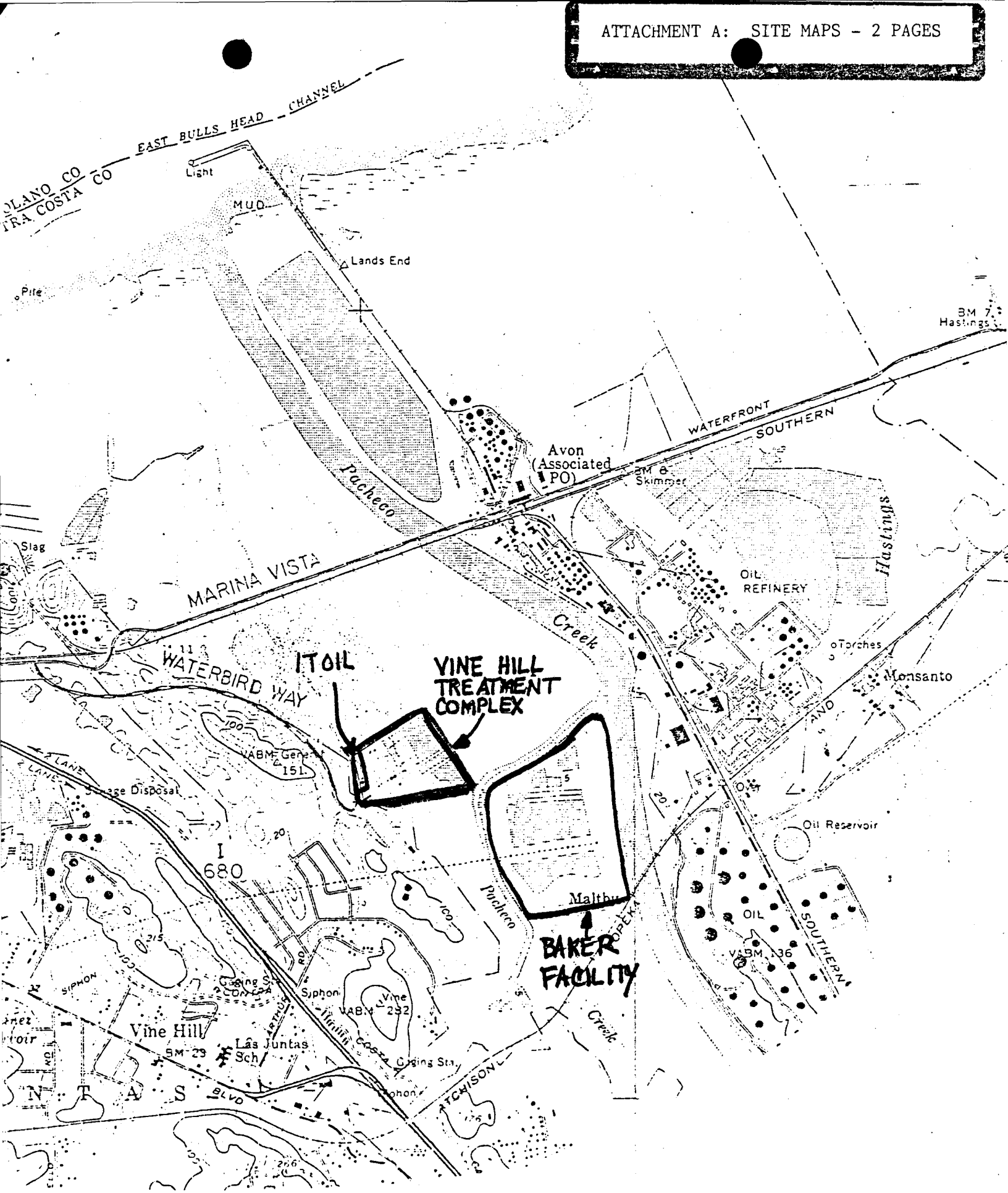
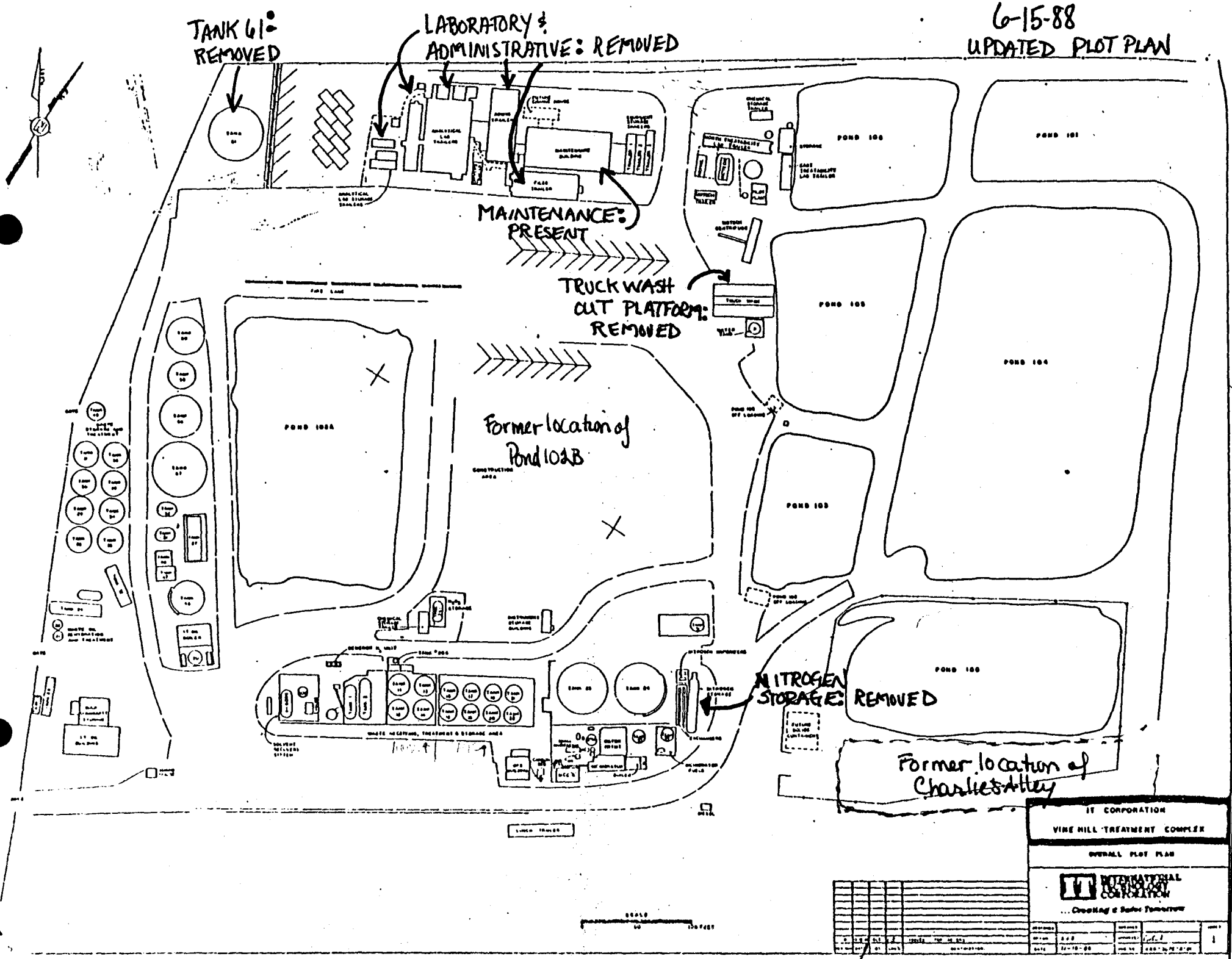
ATTACHMENT A: SITE MAPS - 2 PAGES



DWG. NO.	REVISION


TANK 61: REMOVED
LABORATORY & ADMINISTRATIVE: REMOVED
6-15-88
UPDATED PLOT PLAN
MAINTENANCE: PRESENT
TRUCK WASH OUT PLATFORM: REMOVED
POND 101
POND 102
POND 102A
POND 103
POND 104
POND 105
Former location of Pond 102B
NITROGEN STORAGE: REMOVED
Former location of Charlies Alley
IT CORPORATION
VINE HILL TREATMENT COMPLEX
OVERALL PLOT PLAN
INTERNATIONAL TECHNOLOGY CORPORATION
...Creating a Safer Tomorrow

INTERNATIONAL TECHNOLOGY CORPORATION

P. OPERATIONS SHEETS

ATTACHMENT B: OPERATION STATUS SHEETS 13 PAGES

Date: 4-27-88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial
1750	[signature]	1945	[signature]		
1845	[signature]				

To be inspected every four hours any time liquid is pumped through the Baker pipeline

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Destin.
100									
101									
102A	0900	1800	105						
102B									
103									
104	0925	0930	103						
105									
106									

ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECORD

Tank #	Pumped To	Bbls	On Time	Off Time	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Odo

EQUIPMENT USAGE

UNIT	Send G	Send D	Send S	Actual Hours Day	Actual Hours Swing	Actual Hours Grave	Time On	Time Off	Time On	Time Off	Reason for Downtime	Init
Solid/Solvent												
Emt. Solvent Process												
CI Separator												
Sm. Incinerator												
A CARBON BED	8	8	8		8							
Sc. Incinerator												

Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
Hydrogen Peroxide (H_2O_2)				44"	500
Ferrous Sulfate ($FeSO_4$)				93	10
Diesel Fuel Tk25A				3'5"	1
Diesel Fuel Bulk Tank				1'7"	300
Nitrogen (N_2)					2
Sodium Bicarbonate ($NaHCO_3$)				121	2
Calcium Chloride ($CaCl_2$)				221	2
Chevron Detergent				4	4
Soda Ash (Na_2CO_3)				64	15
Propane				2	1
Salt				29	15
Caustic 215A (NaOH)				11"	1,000
Sodium Sulfide (Na_2S) drums				3	1
Sodium Sulfide (Na_2S) bag				33	50
Sodium Metabisulfide ($Na_2S_2O_5$)				200	50

ABSENTEES

Day	Swing	Grave
NONE	[signature]	

COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)

Started C → 101 cover @ 1745 & ended @ 2020.

INTERNATIONAL TECHNOLOGY CORPORATION

?. OPERATIONS STA?US SHEETS

Date: 4-23-88

aker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial	To be inspected every fou hours any time liquid is pu through the Baker pipelin
0345	[illegible]	0100	WAK	1610	WAK	
2100	WAK	1245	[illegible]	1845	[illegible]	

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Des
100									
101	Running	1520	101 cover						
102A	1730		105						
102B									
103									
104	1120	1330	S. Swimming Pool			~~1800~~	1700	1720	103
105									
106	2030	2150	101 Cover						

ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECORD

Tank #	Pumped To	Bbls	On	Time Off	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Odo

V. EQUIPMENT USAGE

UNIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	Init
olid/Solvent												
Int. Solvent Process												
l Separator												
m. Incinerator												
N												
c. Incinerator Carbon bed	8	8	8		8	8						

V. Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
ydrogen Peroxide (H_2O_2)					500
errous Sulfate ($FeSO_4$)					10
iesel Fuel Tk25A					1
iesel Fuel bulk Tank					300
itrogen (N_2)					2
Sodium Bicarbonate ($NaHCO_3$)					2
alcium Chloride ($CaCL_2$)					2
hevron Detergent					V
oda Ash (Na_2CO_3)					15
ropane					1
alt					15
Caustic 215A (NaOH)					1,000
odium Sulfide (Na_2S) drums					1
Sodium Sulfide (Na_2S) bag					50
Sodium Metabisulfide ($Na_2S_2O_5$)					50

VI. ABSENTEES

Day	Swing	Grave
NONE	None	None

VII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)

Pumping B pond back to 101 cover started @

INTERNATIONAL TECHNOLOGY CORPORATION

?. OPERATIONS STA[illegible]US SHEETS

Date: 4/26/88

[B]aker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial	To be inspected every fou[r] hours any time liquid is pu[mped] through the Baker pipelin[e]
2030	[illegible]					

[P]ond Pumping

[P]ond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Des[tin.]
100									
101	1635	2230	101 Cover						
102A	0820	0850	105						
102B									
103									
104	0824	0850	South Pond	1630	1638	103 Cover			
105									
106	0815	0850	101 Cover	1315	1330	101 Cover			

ACID NEUTRALIZATION TANK PUMPING TO PONDS ALL OTHERS LISTED ON TANK PROCCESSING RECOR[D]

[T]ank #	Pumped To	Bbls	On Time	Off	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Od[or]

[I]V. EQUIPMENT USAGE

[U]NIT	Send G	Send D	Send S	Actual Hours Day	Actual Hours Swing	Actual Hours Grave	Time On	Time Off	Time On	Time Off	Reason for Downtime	Init
[S]olid/Solvent												
[A]mt. Solvent Process												
[O]il Separator												
Sm. Incinerator												
CARBON BED	8	8	8	8	8							
[L]g. Incinerator												

[V]. Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300		Min. Inventory Received
[H]ydrogen Peroxide (H_2O_2)				41"		500
[F]errous Sulfate ($FeSO_4$)				99		10
[D]iesel Fuel Tk25A				2'5"		1
[D]iesel Fuel bulk Tank				1'6"		300
[N]itrogen (N_2)				—		2
Sodium Bicarbonate ($NaHCO_3$)				121		2
[C]alcium Chloride ($CaCL_2$)				221		2
Chevron Detergent				4		[illegible]
Soda Ash (Na_2CO_3)				37		1[illegible]
[P]ropane				2		
[S]alt				22		1[illegible]
Caustic 215A (NaOH)				11"		1,00[0]
[S]odium Sulfide (Na_2S) drums				3		
Sodium Sulfide (Na_2S) bag				39		5[illegible]
Sodium Metabisulfide ($Na_2S_2O_5$)				200		5[illegible]

[V]I. ABSENTEES

Day	Swing	Grave
None	None	

[V]II. COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)

Pumping C pond → 101 cover – started @ 2000.
secured @ 2130. [illegible]

INTERNATIONAL TECHNOLOGY CORPORATION

T. ! OPERATIONS STAT S SHEETS

Date: 5-9-88

aker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial
1020					
1745					

To be inspected every four hours any time liquid is pump through the Baker pipeline.

ond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Desti
100									
101									
102A	0840	0910	105	1300	1617	105			
102B									
103	1310	1340	104 cover						
104	0855	0907	103 cover						
105	1340	1425	104 cover						
106	0850	0915	101 Cover						

ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECORD

ank #	Pumped To	Bbls	On Time	Off Time	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Odor

EQUIPMENT USAGE

NIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	Initial
olid/Solvent												
nt. Solvent Process												
il Separator												
m. Incinerator												
CARBON BED	B	B	B	B								
g. Incinerator												

Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
ydrogen Peroxide (H_2O_2)				41"	500 ga
errous Sulfate ($FeSO_4$)				99	10 ba
iesel Fuel Tk25A				2'5"	1 ft.
iesel Fuel Bulk Tank				1'5"	300 ga
itrogen (N_2)					2 ft.
Sodium Bicarbonate ($NaHCO_3$)				121	2 ft.
alcium Chloride ($CaCl_2$)				22 1/4	2 c
hevron Detergent					½ c
oda Ash (Na_2CO_3)				37	15 b
ropane				3	1 ft
alt				30	15 b
Caustic 215A (NaOH)				11"	1,000 g
odium Sulfide (Na_2S) drums				3	1 c
Sodium Sulfide (Na_2S) bag				39	50 b
Sodium Metabisulfide ($Na_2S_2O_5$)				200	50 b

VI. ABSENTEES

Day	Swing	Grave
None	None	

VII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)

Started C > 101 Cover @ 1006 & secured @ 1200

INTERNATIONAL TECHNOLOGY CORPORATION

OPERATIONS STATUS SHEETS

Date: 5-23-88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial
0900	GM	1330	GM		
1300	GM	1735	MG		

To be inspected every four hours any time liquid is pu through the Baker pipelin

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	De
POND	0900	1300	101 COVER	1330	1600	101 COVER	1735	1940	101 cove
101									
102A									
102B									
103									
104									
105									
106	0810	0830	101 COVER						

ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECOR

Tank #	Pumped To	Bbls	On Time	Off Time	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Od

V. EQUIPMENT USAGE

UNIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	Init
Solid/Solvent												
Amt. Solvent Process												
Oil Separator												
Sm. Incinerator												
CARBON BED	888											
Lg. Incinerator												

VI. Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
Hydrogen Peroxide (H_2O_2)				69	500
Ferrous Sulfate ($FeSO_4$)					10
Diesel Fuel Tk25A				2'5"	1
Diesel Fuel bulk Tank	19 GAL			2'5"	300
Nitrogen (N_2)				-	2
Sodium Bicarbonate ($NaHCO_3$)				12	2
Calcium Chloride ($CaCl_2$)				22	2
Chevron Detergent				4	1
Soda Ash (Na_2CO_3)				37	1
Propane				3	
Salt				20	1
Caustic 215A (NaOH)				11"	1.00
Sodium Sulfide (Na_2S) drums				3	
Sodium Sulfide (Na_2S) bag				39	5
Sodium Metabisulfide ($Na_2S_2O_5$)				200	5

VII. ABSENTEES

Day	Swing	Grave
[illegible]	JOHN STABLER - SICK	

VIII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)

INTERNATIONAL TECHNOLOGY CORPORATION

OPERATIONS STATUS SHEETS

Date: 5-24-88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial
0900	GM	1800	WHK		
1330	GM				

To be inspected every four hours any time liquid is pu through the Baker pipelin

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Des
POND	0900	1200	101 COVER	1330	2350	101 COVER			
101									
102A									
102B									
103									
104									
105									
106									

ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECORD

Tank #	Pumped To	Bbls	On Time Off	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Od

EQUIPMENT USAGE

UNIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	Init
Solid/Solvent												
Amt. Solvent Process												
Oil Separator												
Sm. Incinerator												
CARBON BED	8	8	8	7 1/2	8						CHECK CARBON LEVEL	GM
Lg. Incinerator												

Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
Hydrogen Peroxide (H_2O_2)				41	500
Ferrous Sulfate ($FeSO_4$)				99	10
Diesel Fuel Tk25A				2'5	1
Diesel Fuel Bulk Tank				2'5"	300
Nitrogen (N_2)					2
Sodium Bicarbonate ($NaHCO_3$)				121	2
Calcium Chloride ($CaCl_2$)				221	2
Chevron Detergent				4	
Soda Ash (Na_2CO_3)				64	15
Propane				2	1
Salt				29	15
Caustic 215A (NaOH)				18	1.000
Sodium Sulfide (Na_2S) drums				3	
Sodium Sulfide (Na_2S) bag				33	5
Sodium Metabisulfide ($Na_2S_2O_5$)				200	5

ABSENTEES

Day	Swing	Grave
NONE	NONE	

COMMENTS (INCLUDE UNUSUAL OCCURRENCES. VISITORS. OUTSIDE SERVICE)

INTERNATIONAL TECHNOLOGY CORPORATION

T.O. OPERATIONS STATUS SHEETS

Date: 5-25-88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial
0800	GM	1716	JTS		
1300	GM	2115	WAK		

To be inspected every four hours any time liquid is pu through the Baker pipelin

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Des
POND	0830		101 COVERL	1715	2400	101 COVER			
101									
102A									
102B									
103	1110	1140	103 COVER						
104									
105	1145	1205	105 COVER						
106	1680	1715	106 COVER						

ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECOR

Tank #	Pumped To	Bbls	On Time	Off Time	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Od

V. EQUIPMENT USAGE

UNIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	Init
Solid/Solvent												
Amt. Solvent Process												
API Separator												
Sm. Incinerator												
CARBON 360	8	8	8	8	8							
Lg. Incinerator												

V. Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
Hydrogen Peroxide (H_2O_2)				41"	500
Ferrous Sulfate ($FeSO_4$)				99	10
Diesel Fuel Tk25A				2.5"	1
Diesel Fuel Bulk Tank				2'5"	300
Nitrogen (N_2)					2
Sodium Bicarbonate ($NaHCO_3$)				12	2
Calcium Chloride ($CaCL_2$)				22	2
Chevron Detergent				4	1
Soda Ash (Na_2CO_3)				64	15
Propane				2	1
Salt				29	15
Caustic 215A (NaOH)				18	1,000
Sodium Sulfide (Na_2S) drums				3	
Sodium Sulfide (Na_2S) bag				33	50
Sodium Metabisulfide ($Na_2S_2O_5$)				200	50

VI. ABSENTEES

Day	Swing	Grave
NONE	NONE	

VII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)

INTERNATIONAL TECHNOLOGY CORPORATION

OPERATIONS STATUS SHEETS

Date: 5-26-88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial
0845	CW	1245	[illegible]		
1030	[illegible]				

To be inspected every four hours any time liquid is pumped through the Baker pipeline

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Destin.
POND	0845	1350	101 COVER						
101 COV	0945	1400	104 COVER	1510	2240	101 Cover			
102A									
102B									
103									
104	1555	1610	103 Cover	1720	1735	103 cover	1920	1940	103 cover
POND 104	2310	2330	103 cover						
106									

ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECORD

Tank #	Pumped To	Bbls	On Time	Off Time	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Od

V. EQUIPMENT USAGE

UNIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	Init
Solid/Solvent												
Amt. Solvent Process												
Oil Separator												
Sm. Incinerator												
A CARBON BED	8	8	8	8		8						
Lg. Incinerator												

V. Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
Hydrogen Peroxide (H_2O_2)				41"	500
Ferrous Sulfate ($FeSO_4$)				99	10
Diesel Fuel Tk25A				2'5"	1
Diesel Fuel bulk Tank				2'5"	300
Nitrogen (N_2)					2
Sodium Bicarbonate ($NaHCO_3$)				121	2
Calcium Chloride ($CaCl_2$)				271	2
Chevron Detergent				4	1
Soda Ash (Na_2CO_3)				64	15
Propane				2	1
Salt				29	15
Caustic 215A (NaOH)				18	1,000
Sodium Sulfide (Na_2S) drums				3	
Sodium Sulfide (Na_2S) bag				33	50
Sodium Metabisulfide ($Na_2S_2O_5$)				200	50

VI. ABSENTEES

Day	Swing	Grave
NONE	Done	

VII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)

INTERNATIONAL TECHNOLOGY CORPORATION

I. OPERATIONS STATUS SHEETS

Date: 5-27-88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial
845	GWS				
045					

To be inspected every four hours any time liquid is pumped through the Baker pipeline

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Des
POND	0845	1210	101 COVER						
101 cover	0900	2400	104 COVER						
102A									
102B									
103	1530	1600	106 Cover						
104	1430	1440	103 Cover	1535	1545	103 Cover			
105									
106									

ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECORD

Tank #	Pumped To	Bbls	On Time	Off Time	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Odo

EQUIPMENT USAGE

UNIT	Send G	Send D	Send S	Actual Hours Day	Actual Hours Swing	Actual Hours Grave	Time On	Time Off	Time On	Time Off	Reason for Downtime	Init
Solid/Solvent												
Amt. Solvent Process												
C I Separator												
Sm. Incinerator												
A CARBON BED	8	8	8	8								
Lg. Incinerator												

Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
Hydrogen Peroxide (H_2O_2)				4"	500
Ferrous Sulfate ($FeSO_4$)				69	10
Diesel Fuel Tk25A				3 6"	1
Diesel Fuel bulk Tank				25"	300
Nitrogen (N_2)					2
Sodium Bicarbonate ($NaHCO_3$)				12	2
Calcium Chloride ($CaCl_2$)				20	2
Chevron Detergent				4	4
Soda Ash (Na_2CO_3)				37	15
Propane				3	1
Salt				18	15
Caustic 215A (NaOH)				11"	1,000
Sodium Sulfide (Na_2S) drums				3	1
Sodium Sulfide (Na_2S) bag				39	50
Sodium Metabisulfide ($Na_2S_2O_5$)				200	50

ABSENTEES

Day	Swing	Grave
None		

COMMENTS (INCLUDE UNUSUAL OCCURRENCES. VISITORS. OUTSIDE SERVICE)

INTERNATIONAL TECHNOLOGY CORPORATION

T.. OPERATIONS STATUS SHEETS

Date: 6/22/88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial
0900	[illegible]				

To be inspected every fo hours any time liquid is p through the Baker pipeli

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	De
~~C~~ C	0850	1150	101 Cover						
101 Cover	1510		104 Cover						
102A									
102B									
103									
104									
105									
106									

I. ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECOR

Tank #	Pumped To	Bbls	On Time	Off Time	Init.	HCVP	pH	Norm.	Phenol	Sulfide	O

V. EQUIPMENT USAGE

UNIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	In
Solid/Solvent												
Amt. Solvent Process												
Oil Separator												
Sm. Incinerator												
~~3~~ CARBON FEED	5	5	5	8								
Lg. Incinerator												

V. Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Receive
Hydrogen Peroxide (H_2O_2)				46"	50
Ferrous Sulfate ($FeSO_4$)				99	1
Diesel Fuel Tk25A				3'5"	
Diesel Fuel Bulk Tank				2'1/2"	30
Nitrogen (N_2)					
Sodium Bicarbonate ($NaHCO_3$)				12	
Calcium Chloride ($CaCl_2$)				80	
Chevron Deleroent				4	
Soda Ash (Na_2CO_3)				37	
Propane				2	
Salt				18	
Caustic 215A (NaOH)				18"	1.0
Sodium Sulfide (Na_2S) drums				3	
Sodium Sulfide (Na_2S) bag				39	
Sodium Metabisulfide ($Na_2S_2O_5$)				200	

VI. ABSENTEES

Day	Swing	Grave
[illegible]	GREG MADEROS	

VII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)

INTERNATIONAL TECHNOLOGY CORPORATION

T.P. OPERATIONS STATUS SHEETS

Date: 6/21/88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial
0730	[illegible]				
1322	[illegible]				

To be inspected every four hours any time liquid is pumped through the Baker pipeline.

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Destin
~~100~~ C	0920	1540	101 Cover	1740	2030	D-1	2130	2330	D-1
101	1225	2340	101 Cover						
102A									
102B									
103									
104	0840	0850	103 Cover						
105									
106									

I. ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECORD

Tank #	Pumped To	Bbls	On Time	Off Time	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Odor

V. EQUIPMENT USAGE

UNIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	Initial
Solid/Solvent												
Amt. Solvent Process												
Oil Separator												
Sm. Incinerator												
~~SR~~ CARBON BED												
Lg. Incinerator												

V. Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
Hydrogen Peroxide (H_2O_2)				46"	21 inch
Ferrous Sulfate ($FeSO_4$)				69	80 bags
Diesel Fuel Tk25A				55"	1 ft.
Diesel Fuel Bulk Tank				21½"	15 inch
Nitrogen (N_2)					2 ft.
Sodium Bicarbonate ($NaHCO_3$)				161	80 bags
Calcium Chloride ($CaCL_2$)				201	80 bags
Chevron Detergent				4	½ drum
Soda Ash (Na_2CO_3)				37	15 bags
Propane				2	2 cylinders
Salt				18	15 bags
Caustic 215A (NaOH)				18"	2 ft
Sodium Sulfide (Na_2S) drums				3	1 drum
Sodium Sulfide (Na_2S) bag				37	80 bags
Sodium Metabisulfide ($Na_2S_2O_5$)				200	80 bags

VI. ABSENTEES

Day	Swing	Grave
[illegible]	Greg Mudersbach	

VII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES. VISITORS. OUTSIDE SERVICE)

INTERNATIONAL TECHNOLOGY CORPORATION

T.. OPERATIONS STATUS SHEETS

Date: 6/20/88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial

To be inspected every four hours any time liquid is pumpe through the Baker pipeline.

. Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Destin
100									
101	0930	1345	101 Cover						
102A									
102B									
103	0430	0900	104 Cover						
104									
105	0900	0930	104 Cover						
106	0840	0855	101 Cover						

II. ACID NEUTRALIZATION TANK PUMPING TO PONDS ALL OTHERS LISTED ON TANK PROCCESSING RECORD

Tank #	Pumped To	Bbls	On Time Off	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Odor

IV. EQUIPMENT USAGE

UNIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	Initial
Solid/Solvent												
Amt. Solvent Process												
Oil Separator												
Sm. Incinerator												
~~GN~~ CARBON BED				8								
Lg. Incinerator												

V. Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
Hydrogen Peroxide (H_2O_2)				46"	21 inc
Ferrous Sulfate ($FeSO_4$)				94	80 bags
Diesel Fuel Tk25A				3'3"	1 ft.
Diesel Fuel Bulk Tank				2'10"	15 in.
Nitrogen (N_2)					2 ft.
Sodium Bicarbonate ($NaHCO_3$)				121	80 bag
Calcium Chloride ($CaCL_2$)				224	80 bag
Chevron Detergent				2	½ dru
Soda Ash (Na_2CO_3)				241	15 bag
Propane				2	2 cylinde
Salt				18	15 bag
Caustic 215A (NaOH)				18"	ADDED 7" H_2O @ 1530 ++
Sodium Sulfide (Na_2S) drums				3	1 drum
Sodium Sulfide (Na_2S) bag				39	80 bag
Sodium Metabisulfide ($Na_2S_2O_5$)				200	80 bag

VI. ABSENTEES

Day	Swing	Grave
NONE	NONE	

VII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES. VISITORS. OUTSIDE SERVICE)

INTERNATIONAL TECHNOLOGY CORPORATION

T.I. OPERATIONS STATUS SHEETS

Date: 6/19/88

Baker Line Inspection

Inspect Time	Initial	Inspect Time	Initial	Inspect Time	Initial

To be inspected every four hours any time liquid is pumped through the Baker pipeline.

Pond Pumping

Pond	Time On	Time Off	Destin.	Time On	Time Off	Destin.	Time On	Time Off	Destin
100									
101	0900	1330	101 Cover						
102A									
102B									
103	0905	1000	105 Cover						
104									
105	0905	1000	105 Cover						
106	0900	0915	101 Cover						

I. ACID NEUTRALIZATION TANK PUMPING TO PONDS — ALL OTHERS LISTED ON TANK PROCCESSING RECORD

Tank #	Pumped To	Bbls	On Time Off	Init.	HCVP	pH	Norm.	Phenol	Sulfide	Odor

V. EQUIPMENT USAGE

UNIT	Send G	D	S	Actual Hours Day	Swing	Grave	Time On	Off	Time On	Off	Reason for Downtime	Initial
Solid/Solvent												
Amt. Solvent Process												
Oil Separator												
Sm. Incinerator												
CARBON REG	8	8	8	8								
Lg. Incinerator												

V. Outside Purchases – Used by Shift

	Day	Swing	Grave	Inventory 300	Min. Inventory Received
Hydrogen Peroxide (H_2O_2)				46"	21 inch
Ferrous Sulfate ($FeSO_4$)				99	80 bags
Diesel Fuel Tk25A				315"	1 ft.
Diesel Fuel Bulk Tank				211	15 inch
Nitrogen (N_2)				—	2 ft.
Sodium Bicarbonate ($NaHCO_3$)				121	80 bags
Calcium Chloride ($CaCL_2$)				221	80 bags
Chevron Detergent				4	½ drum
Soda Ash (Na_2CO_3)				317	15 bags
Propane				2	2 cylinder
Salt				18	15 bags
Caustic 215A (NaOH)				11"	2 ft
Sodium Sulfide(Na_2S) drums				3	1 drum
Sodium Sulfide (Na_2S) bag				39	80 bags
Sodium Metabisulfide($Na_2S_2O_5$)				280	80 bags

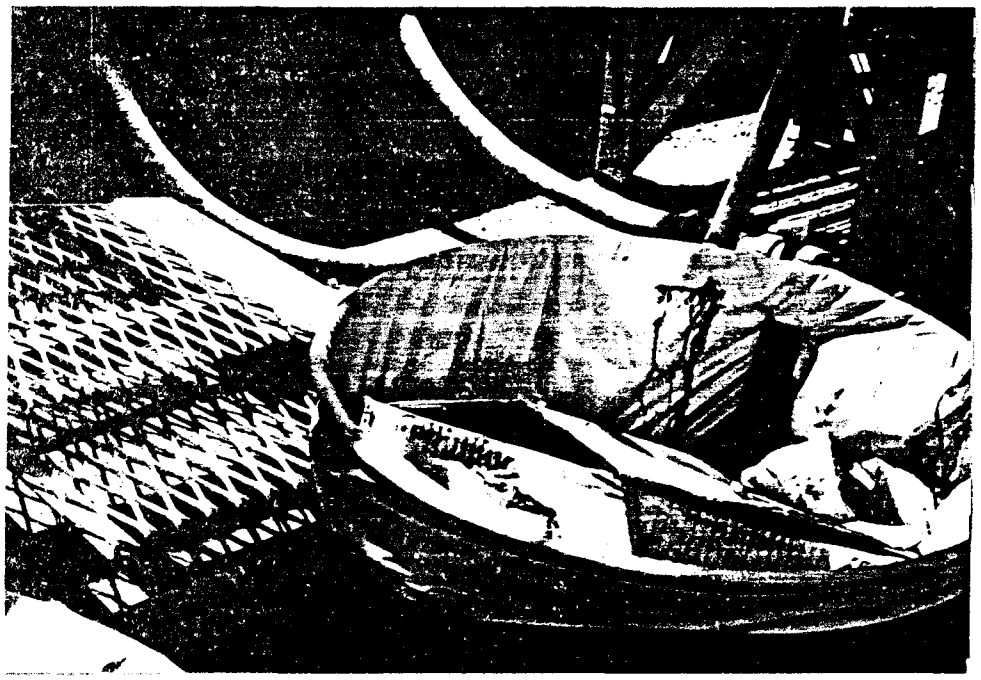
VI. ABSENTEES

Day	Swing	Grave
None	None	

VII. COMMENTS (INCLUDE UNUSUAL OCCURRENCES, VISITORS, OUTSIDE SERVICE)

11 VINE HILL
MARTINEZ, CA
6-15-88

CONTAINERS LABELLED 'HAZARDOUS WASTE'; CONTAINED CONTAMINATED BOOTS, TYVEKS, PAPER — [redacted] NO LIDS.
LOCATED NEAR TANK FARM



ATTACHMENT C: PHOTOGRAPHS - 5 PAGES

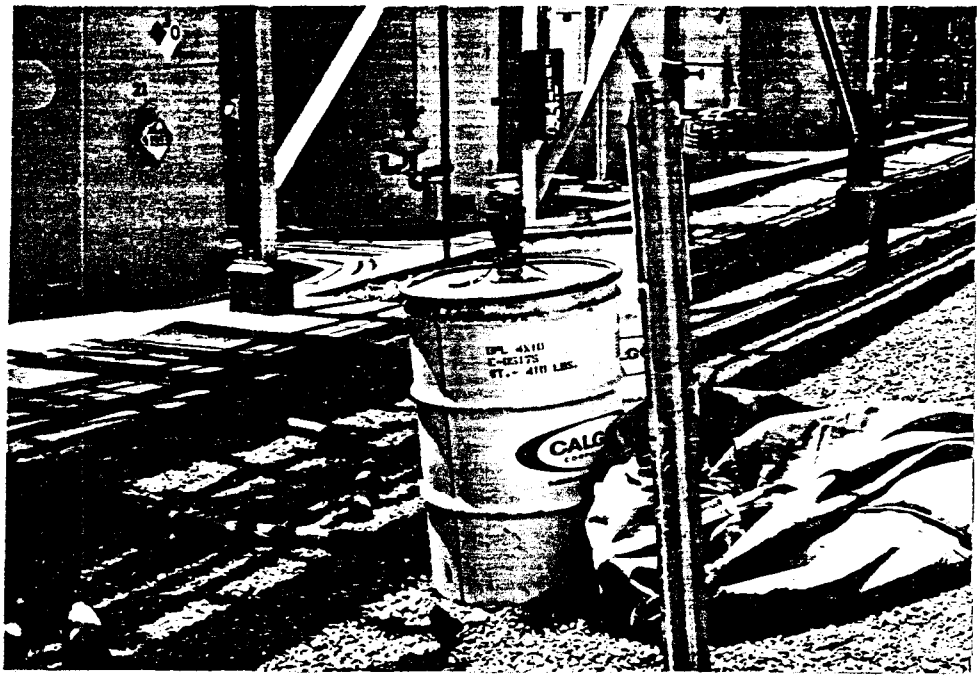
11 VINE HILL
MARTINEZ, CA
6-15-88

CONTAINER LABELLED 'HAZARDOUS WASTE'; CONTAINED CONTAMINATED BOOTS, TYVEKS, GLOVES – NO LIDS.

LOCATED NEAR TANK FARM.

IT VINE HILL
MARTINEZ, CA
6-15-88

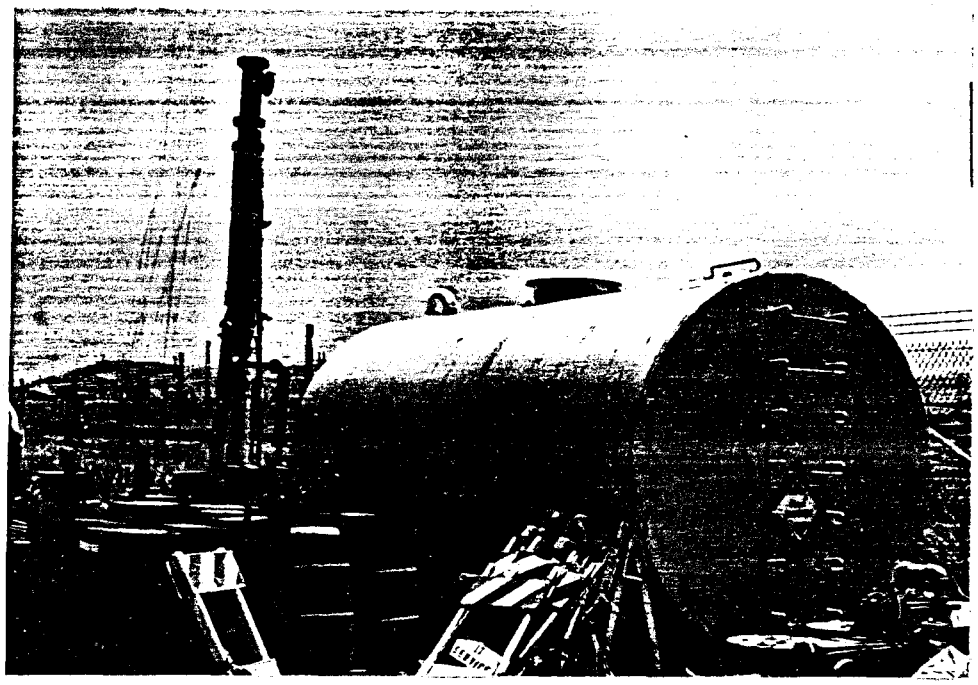
TRUCK PARKED NEAR TANK FARM. CONTAINED CONTENTS FROM TANK 20.



DRUMS CONTAINING CHARCOAL. HOSES WERE HOOKED TO TANK TRUCK AND TO CARBON ABSORPTION UNIT FOR VENTING OFFGASES WHILE LOADING WASTES INTO TRUCK.

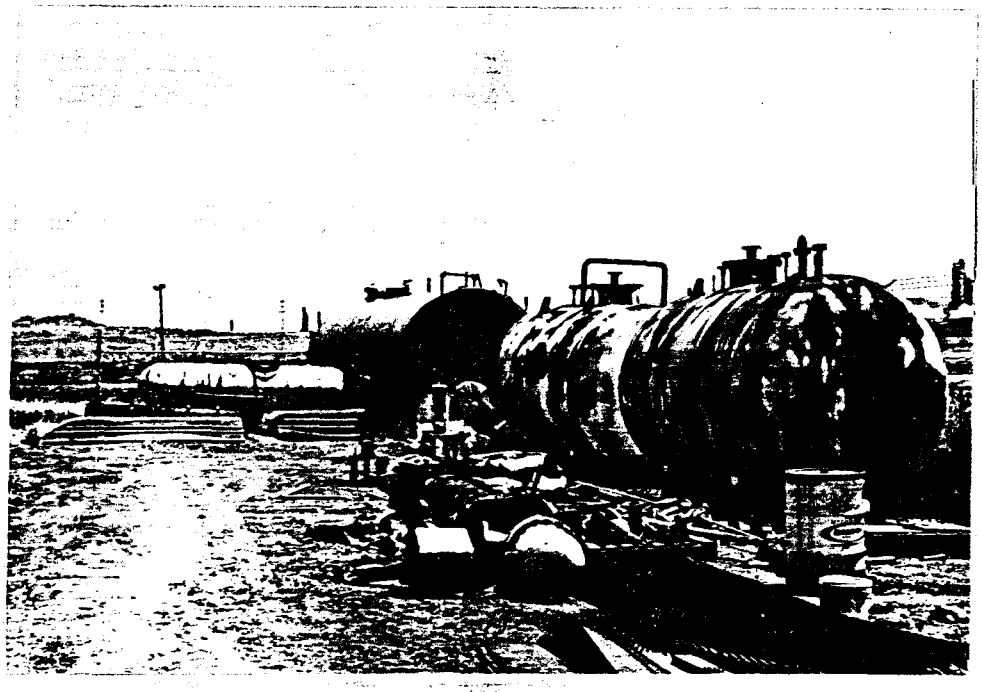
CHARCOAL IN DRUMS ACT AS INTERMEDIARY FOR VENTING SYSTEM TO REDUCE THE LOAD ON THE CAU.

11 PINE HILL
MARTINEZ, CA
6-15-88



North

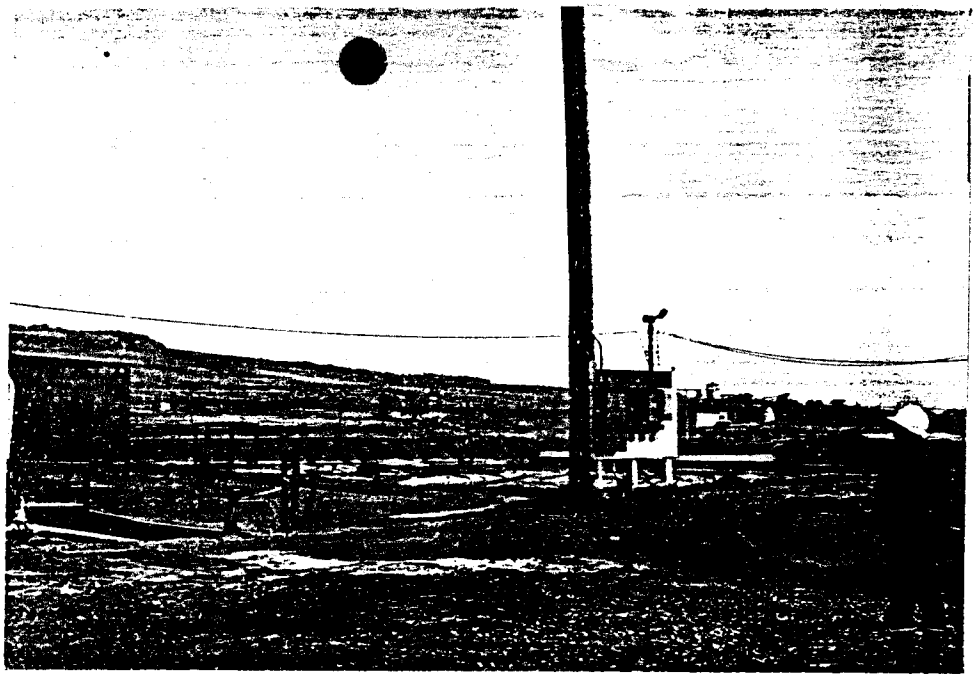
LOCATION OF POND 100



North

FOUR EMPTY TANKS LOCATED IN PRODUCT YARD - DIRECTLY SOUTH OF POND 100. THE TANKS WERE BROUGHT ON SITE APPROXIMATELY FOUR YEARS AGO FOR A HYDROCARBON STRIPPING SYSTEM. THE TANKS HAVE NEVER BEEN USED SINCE THEY WERE BROUGHT ONSITE.

IT VINE HILL.
MARTINEZ, CA
6-15-88



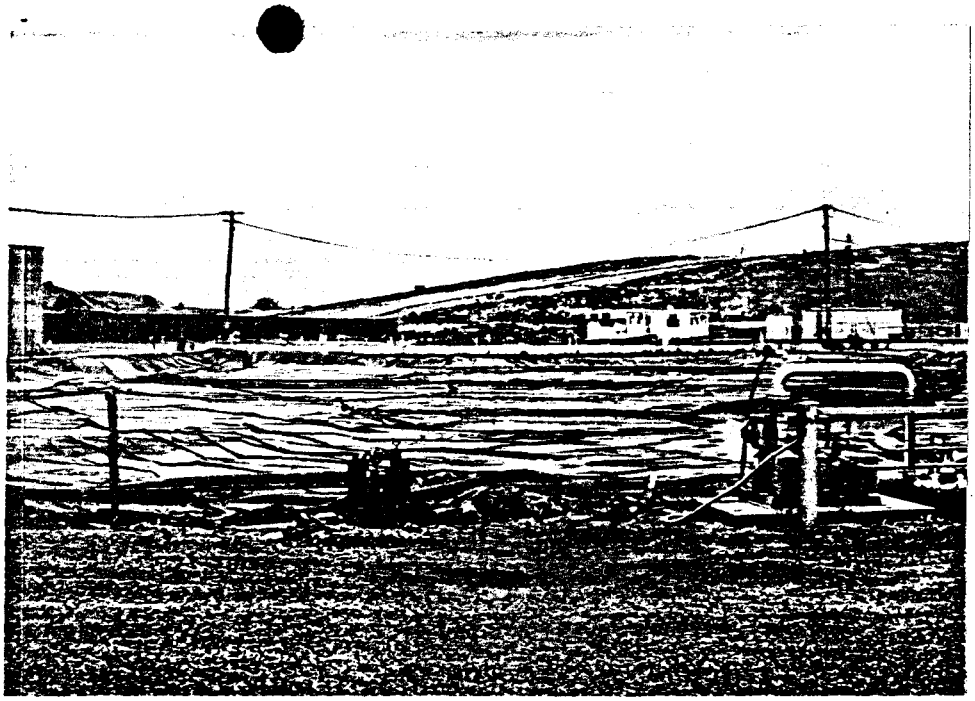
LOOKING NORTH-EAST.
FROM PARKING LOT TO
POND 106

LOOKING SOUTH EAST
FROM PARKING LOT
TO POND 105

TRUCK WASHOUT AREA
IN FOREGROUND.
PLATFORM HAS BEEN REMOVED

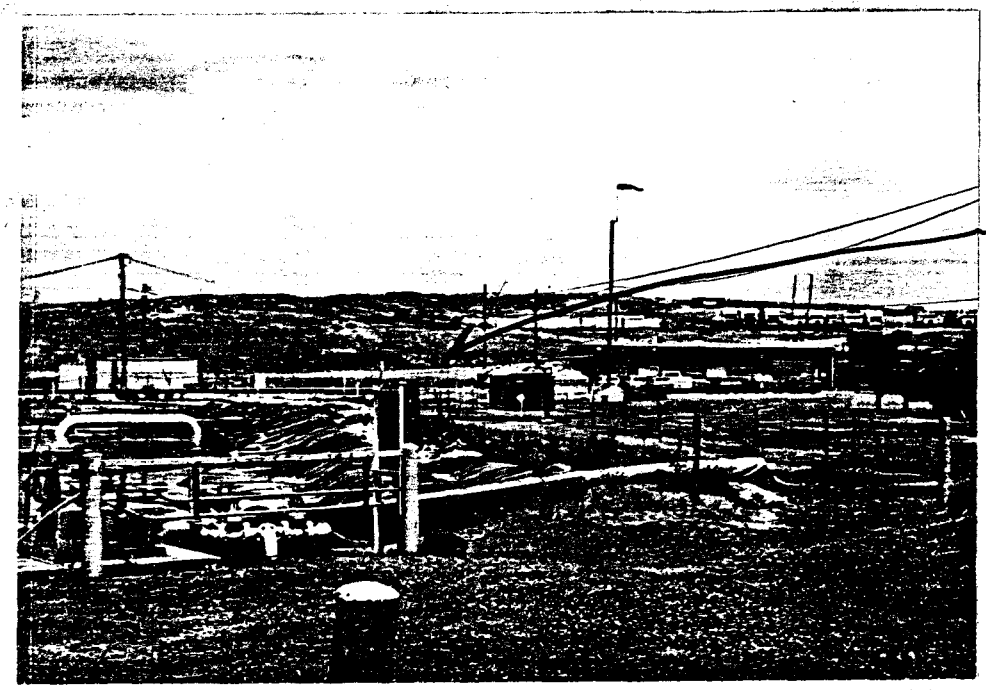
LOOKING SOUTH-EAST
FROM PARKING LOT
TO POND 103

IT VINE HILL
MARTINEZ, CA
6-15-88



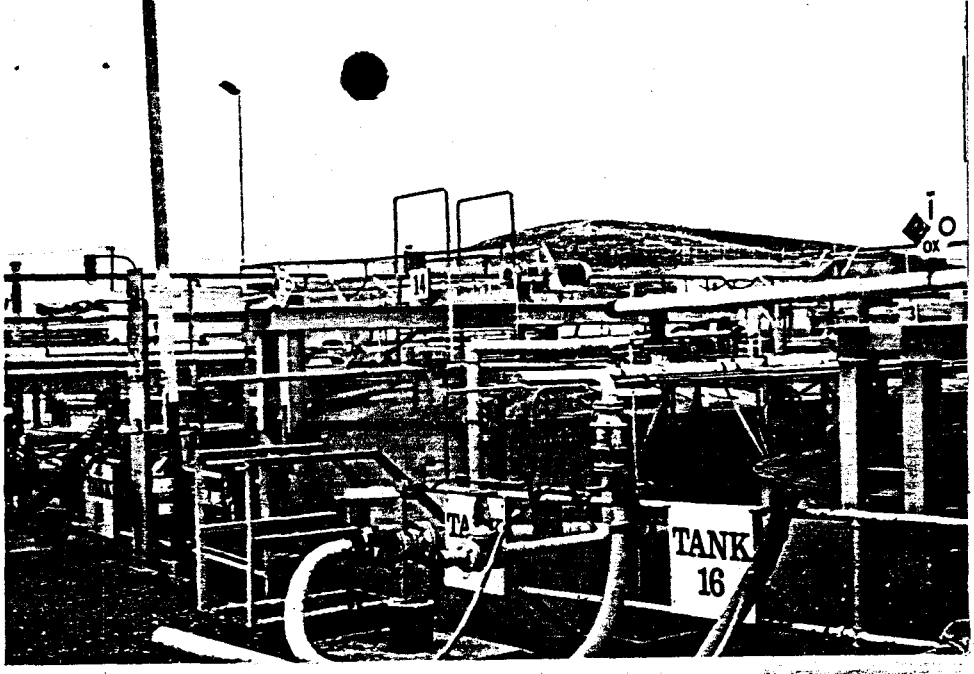
LOOKING NORTH FROM TANK FARM TO POND 102A

←

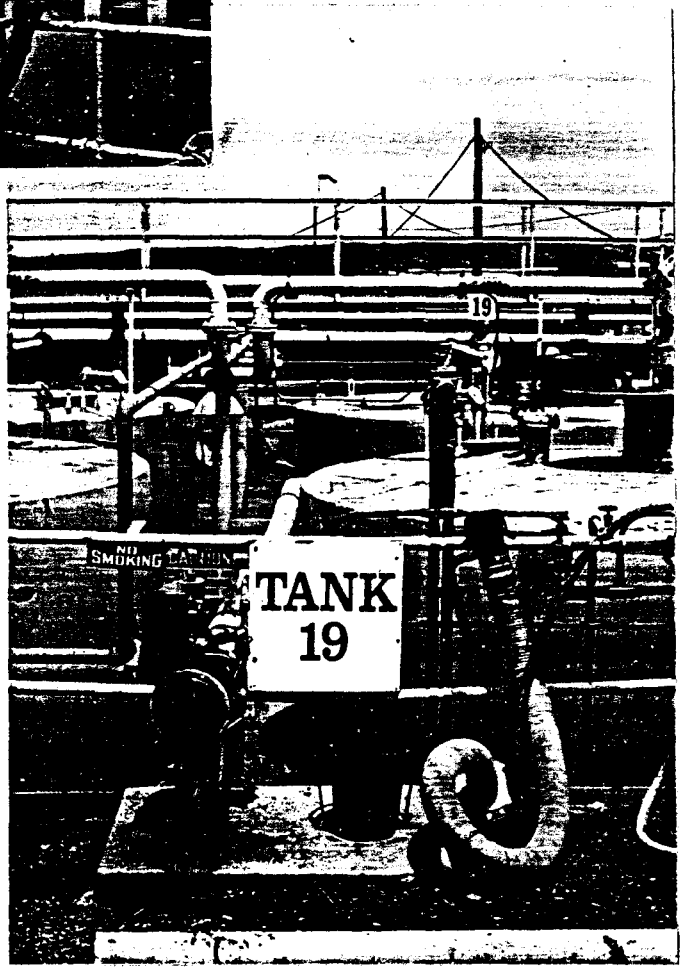


LOOKING NORTH FROM TANK FARM TO POND 102A AND, IN BACKGROUND, FORMER LOCATION OF LABORATORY & ADMINISTRATIVE OFFICES

IT VINE HILL
[redacted]RTINEZ, CA
6-15-88



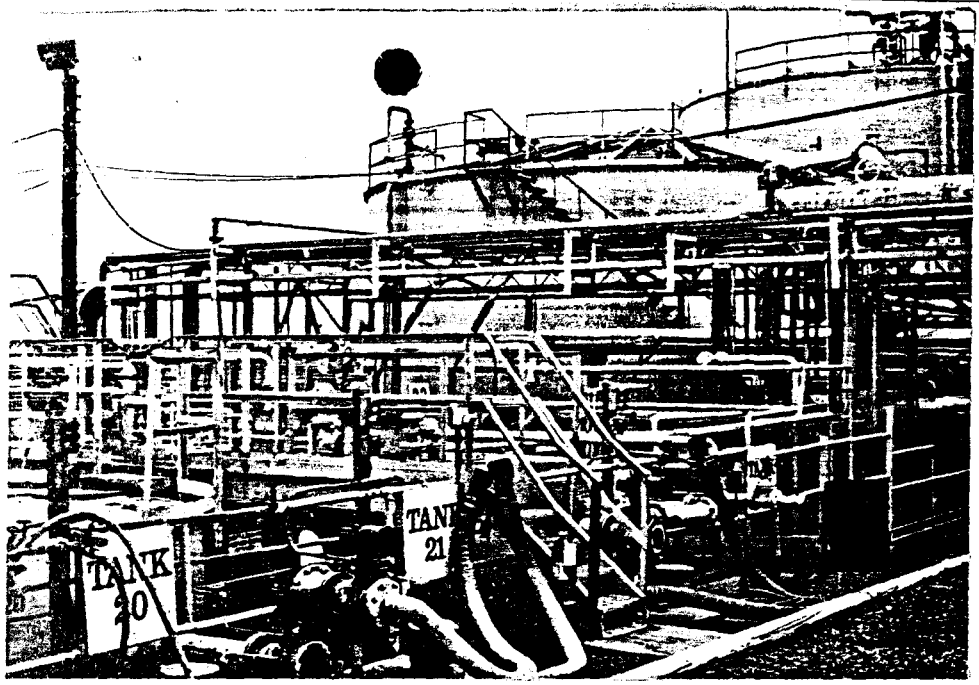
TANKS 14 & 16: RECEIVING, TREATMENT, & STORAGE TANKS



TANKS 18 & 19:

RECEIVING & STORAGE TANKS. EMPTIED & CLEANED OUT JUNE, CONTAINED WASTE FUEL SLUDGE.

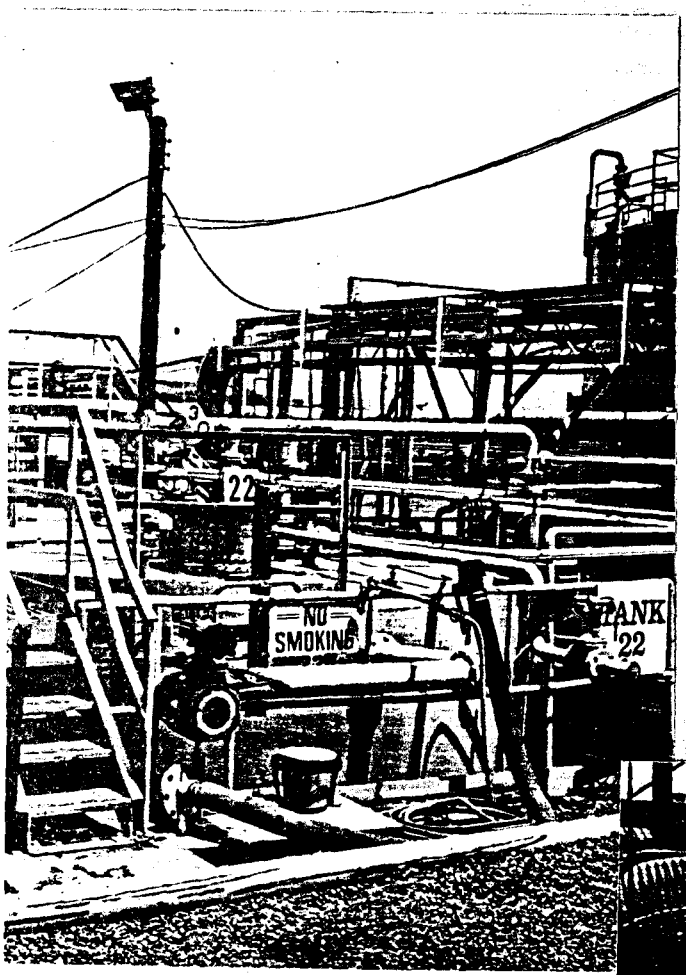
NOTE: HOSES TO TANKS HAVE BEEN DISCONNECTED.



IT VINE HILL
MARTINEZ, CA
6-15-88

TANKS 20 & 21:

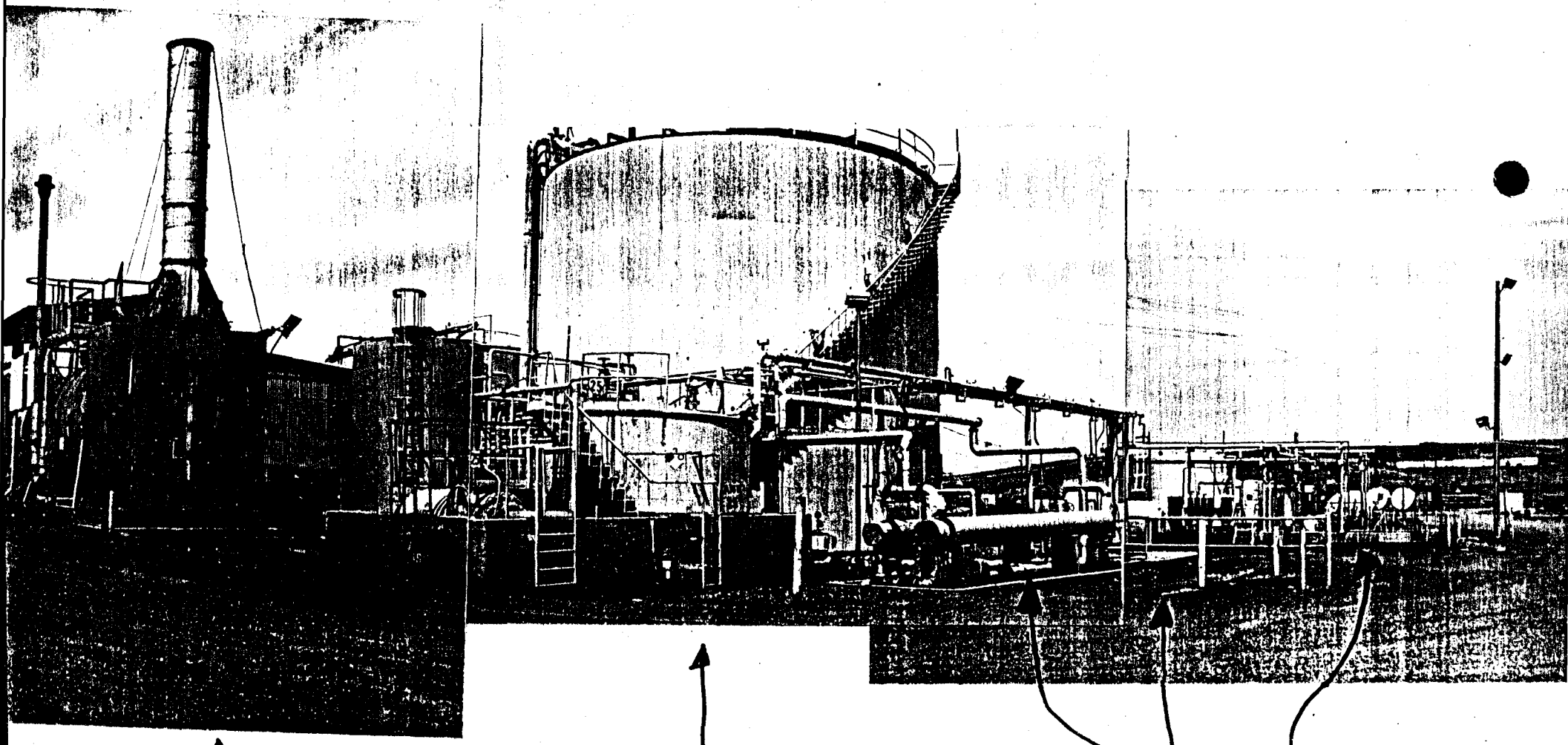
TANK 20, a receiving & STORAGE TANK. TANK 21, A RECEIVING, STORAGE, & BLENDING TANK FOR FUELS FOR THE INCINERATOR. HOSE HAS BEEN DISCONNECTED FROM TANK 20: IT WAS CLEANED OF WASTE FUEL SLUDGE IN JUNE '88.



TANK 22:

A RECEIVING, STORAGE, AND BLENDING TANK. IT WAS EMPTIED OF WASTE FUEL SLUDGE & CLEANED JUNE '88.
NOTE: HOSE TO TANK OUTLET HAS BEEN DISCONNECTED

TANK 1: RECEIVING, STORAGE AND TX TANK FOR WASTE ACID. ACID WASTE REQUIRING REDUCTION OF CR^{6+} IS TREATED HERE.



LOOKING WEST FROM POND 100 FENCE TO:

INCINERATOR

TANKS 24 & 25

HEAT EXCHANGER FOR INCINERATOR

NITROGEN STORAGE TANK HAS BEEN REMOVED (USED FOR N_2 BLANKET

PILOT PROJECT PLANT FOR BRINE EVAPORATION & CRYSTALLIZATION

IT VINE HILL
MARTINEZ, CA
6-15-88

ATTACHMENT D: TANK CONTENTS AND VOLUMES - 1 PAGE

INTERNATIONAL TECHNOLOGY CORPORATION

March 11, 1988

Mr. Dwight Hoenig
California Department of
Health Services
2151 Berkeley Way, Annex 7
Berkeley, CA 94704

SUBJECT: STORAGE OF HAZARDOUS WASTE IN TANKS AT THE VINE HILL TREAMENT COMPLEX

Dear Dwight;

This letter is a formal request under Paragraph IV, Article 1 (a) of the Final Hazardous Waste Facility Permit, to store tank bottoms in certain tanks for a period exceeding one year. The storage of these materials began on the day the facility ceased accepting receipts, December 1, 1987.
This letter requests for an exemption of the storage limits beyond December 1, 1988.

The extension is requested for the following tanks. Estimated volumes containined within the tanks are estimated, as shown.

Tank No.	Waste Description	Volume
1	Acid heel	1,200 gal.
11	Sludge	22,054 gal.
12	Sludge	20,230 gal.
13	Caustic sludge	1,900 gal.
14	Sludge	2,850 gal.
15	Sludge	1,750 gal.
16	Sludge	1,500 gal.
17	Caustic sludge	1,500 gal.
18	Waste fuels	10,900 gal.
19	Waste fuels	12,650 gal.
20	Waste fuels	13,550 gal
21	Sludge	16,418 gal.
22	Waste fuels	8,710 gal.
23	Fuel sludge	44,625 gal.
24	Fuel sludge	37,100 gal.

An analysis of the tank bottoms are attached for your information.

If you have any questions, please contact Chuck Youngson, at (415) 372-9100.

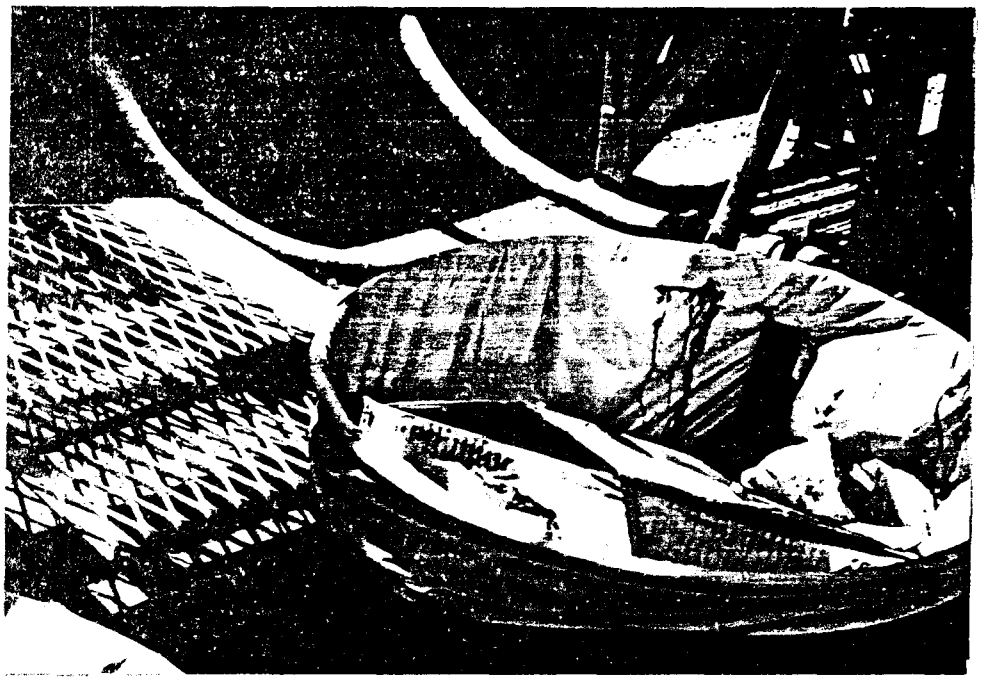
Sincerely yours,

G. Douglas Clark
General Manager

GDC:0000

11 VINE HILL
MARTINEZ, CA
6-15-88

CONTAINERS LABELLED
'HAZARDOUS WASTE';
CONTAINED CONTAMINATED
BOOTS, TYVEKS, PAPER —
[redacted] NO LIDS.
LOCATED NEAR TANK FAR



ATTACHMENT C: PHOTOGRAPHS - 5 PAGES

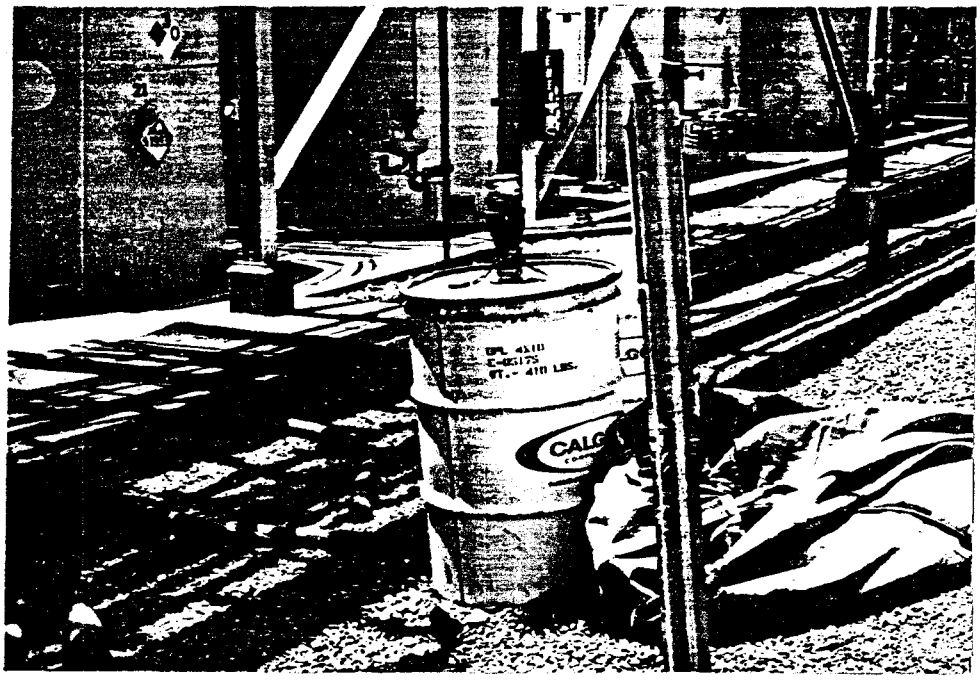
11 VINE HILL
MARTINEZ, CA
6-15-88

CONTAINER LABELLED 'HAZARDOUS WASTE'; CONTAINED CONTAMINATED BOOTS, TYVEKS, GLOVES – NO LIDS.

LOCATED NEAR TANK FARM.

IT VINE HILL
MARTINEZ, CA
6-15-88

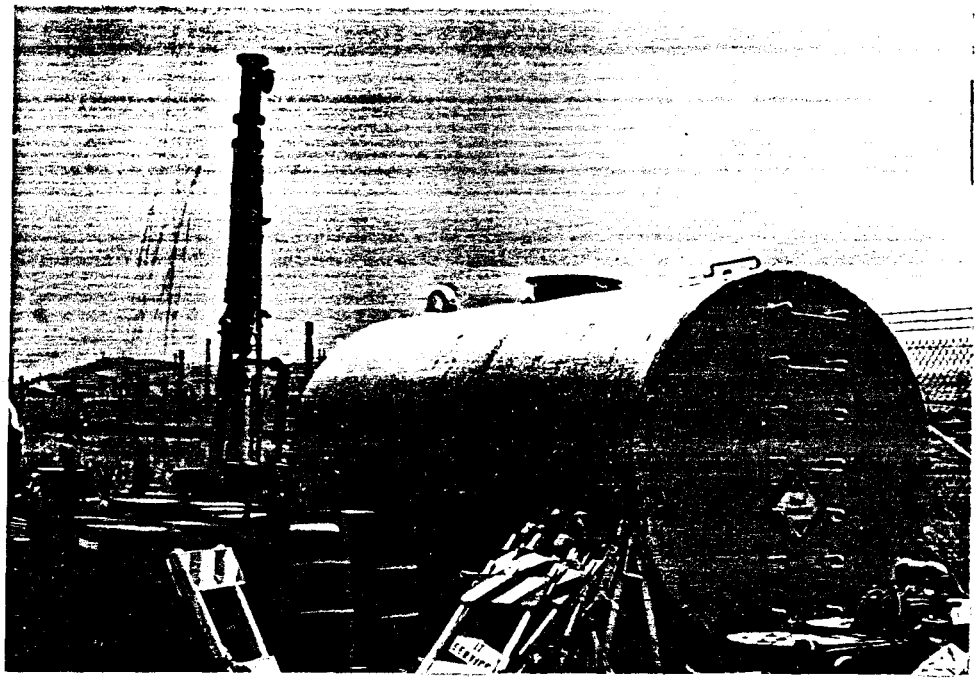
TRUCK PARKED NEAR TANK FARM. CONTAINED CONTENTS FROM TANK 20.



DRUMS CONTAINING CHARCOAL. HOSES WERE HOOKED TO TANK TRUCK AND TO CARBON ABSORPTION UNIT FOR VENTING OFFGASES WHILE LOADING WASTES INTO TRUCK.

CHARCOAL IN DRUMS ACT AS INTERMEDIARY FOR VENTING SYSTEM TO REDUCE THE LOAD ON THE CAU.

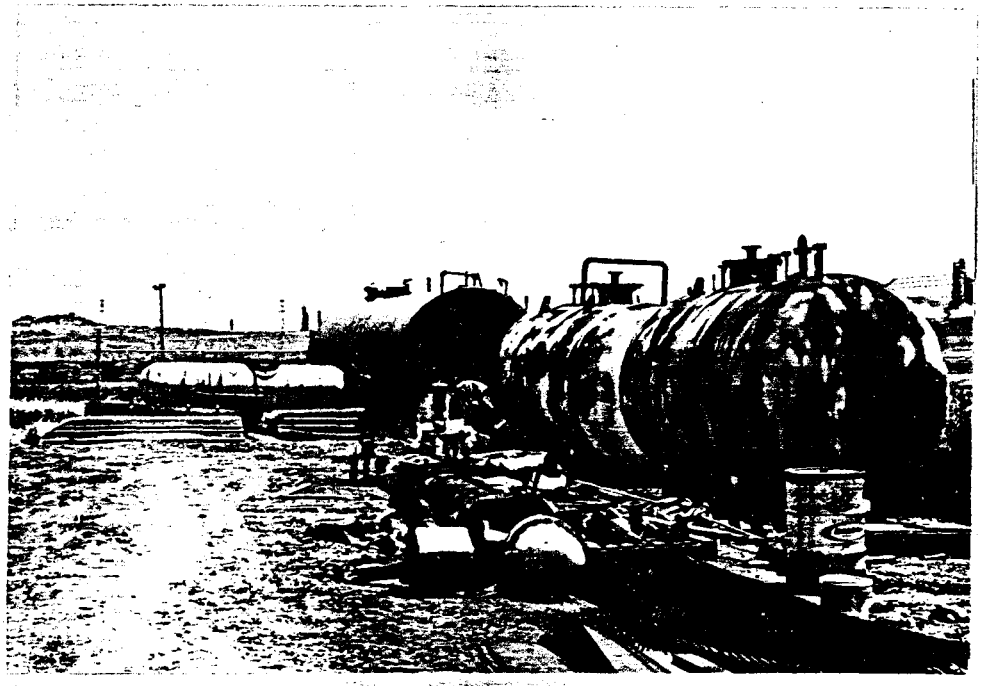
11 KINE MILL
MARTINEZ, CA
6-15-88



North

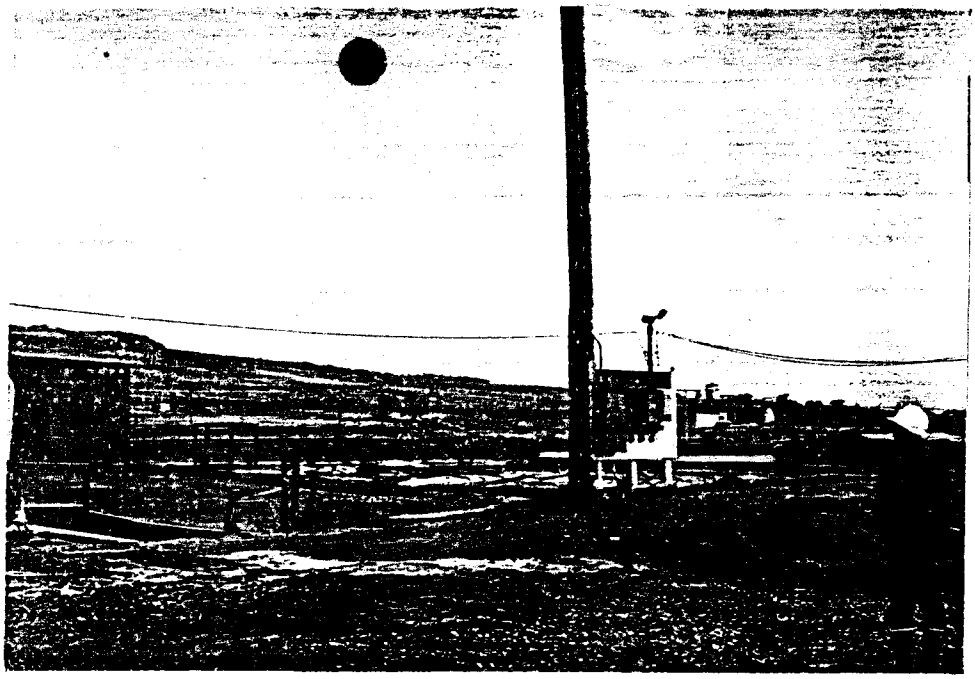
LOCATION OF POND 100

North

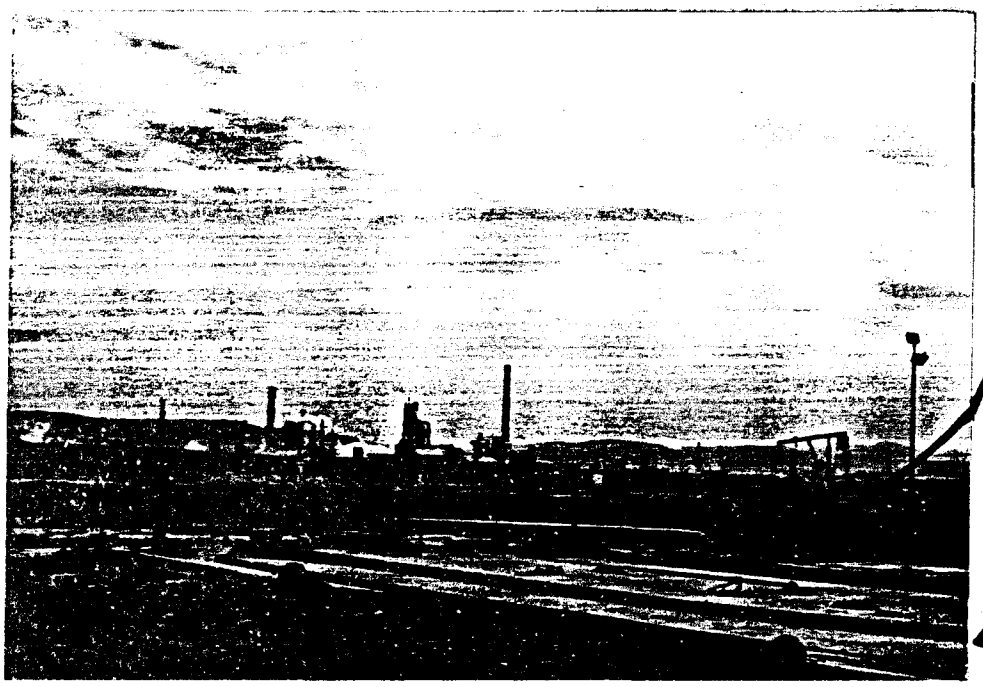


FOUR EMPTY TANKS LOCATED IN PRODUCT YARD - DIRECTLY SOUTH OF POND 100. THE TANKS WERE BROUGHT ON SITE APPROXIMATELY FOUR YEARS AGO FOR A HYDROCARBON STRIPPING SYSTEM. THE TANKS HAVE NEVER BEEN USED SINCE THEY WERE BROUGHT ONSITE

IT VINE HILL.
MARTINEZ, CA
6-15-88



LOOKING NORTH-EAST.
FROM PARKING LOT TO
POND 106

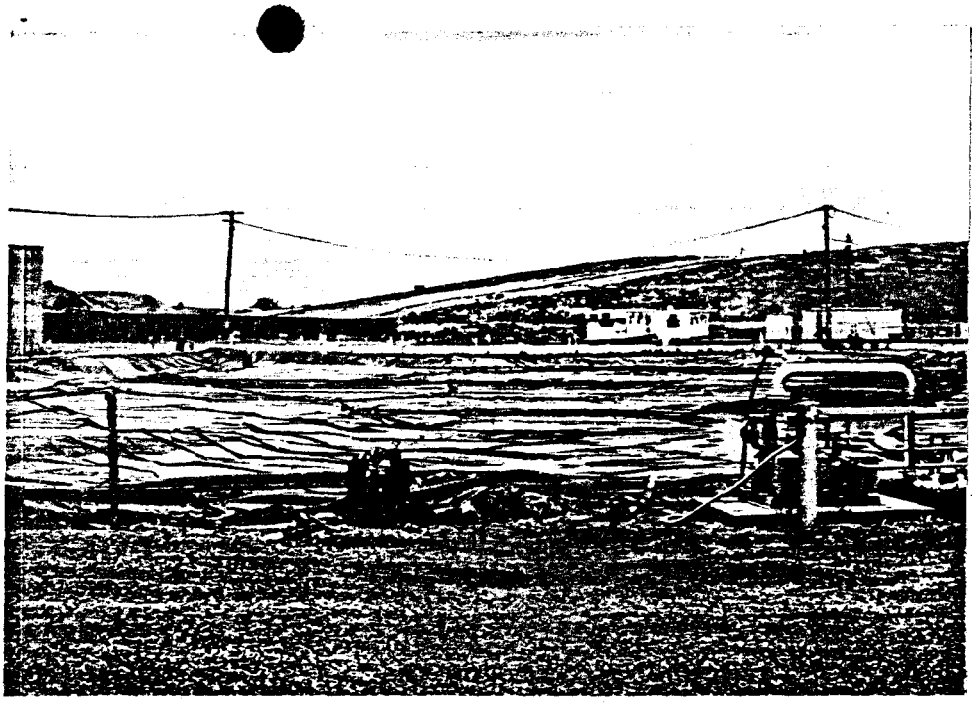


LOOKING SOUTH EAST
FROM PARKING LOT
TO POND 105

TRUCK WASHOUT AREA
IN FOREGROUND.
PLATFORM HAS BEEN REMOVED

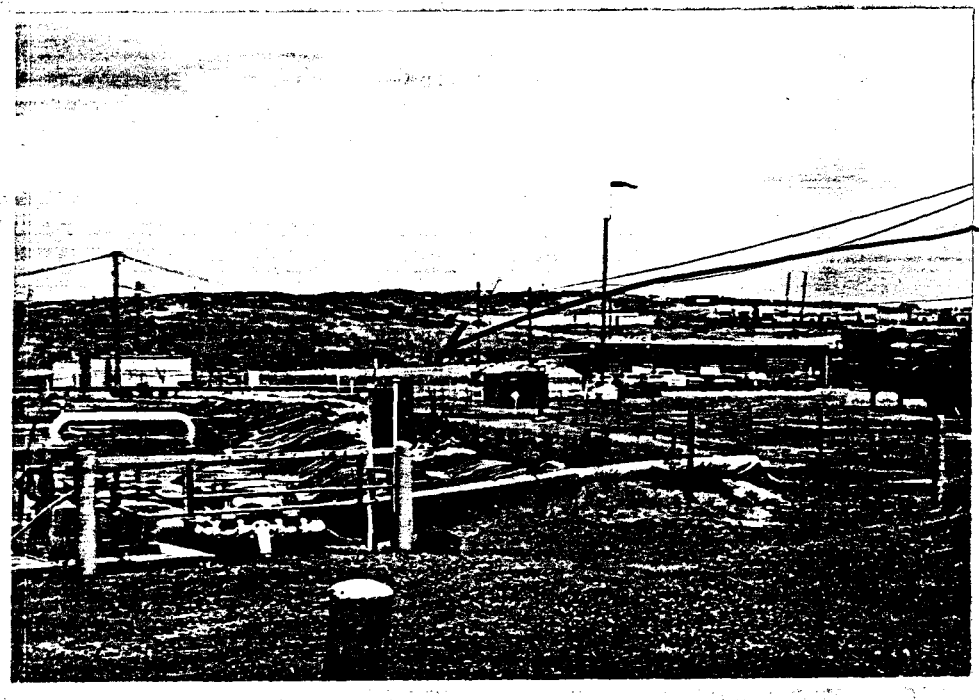
LOOKING SOUTH-EAST
FROM PARKING LOT
TO POND 103

IT VINE HILL
MARTINEZ, CA
6-15-88



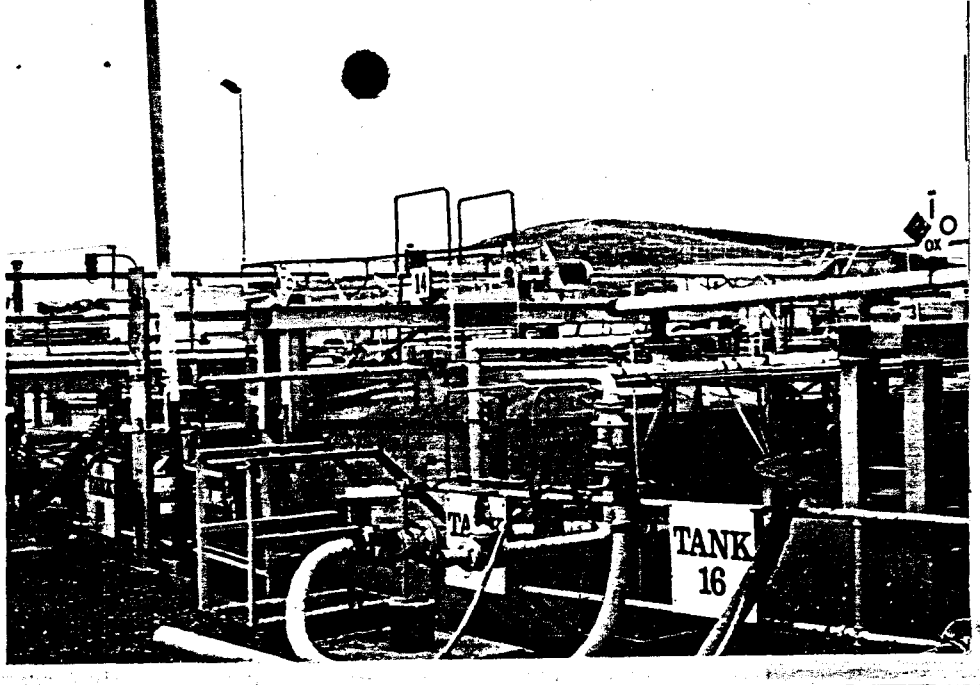
LOOKING NORTH FROM TANK FARM TO POND 102A

←

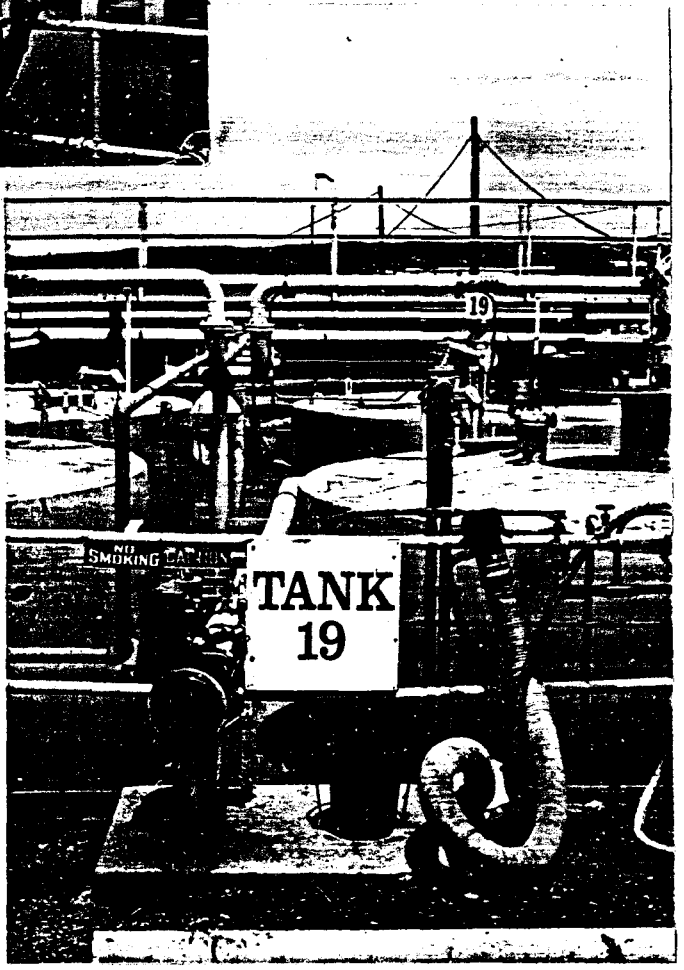


LOOKING NORTH FROM TANK FARM TO POND 102A AND, IN BACKGROUND, FORMER LOCATION OF LABORATORY & ADMINISTRATIVE OFFICES

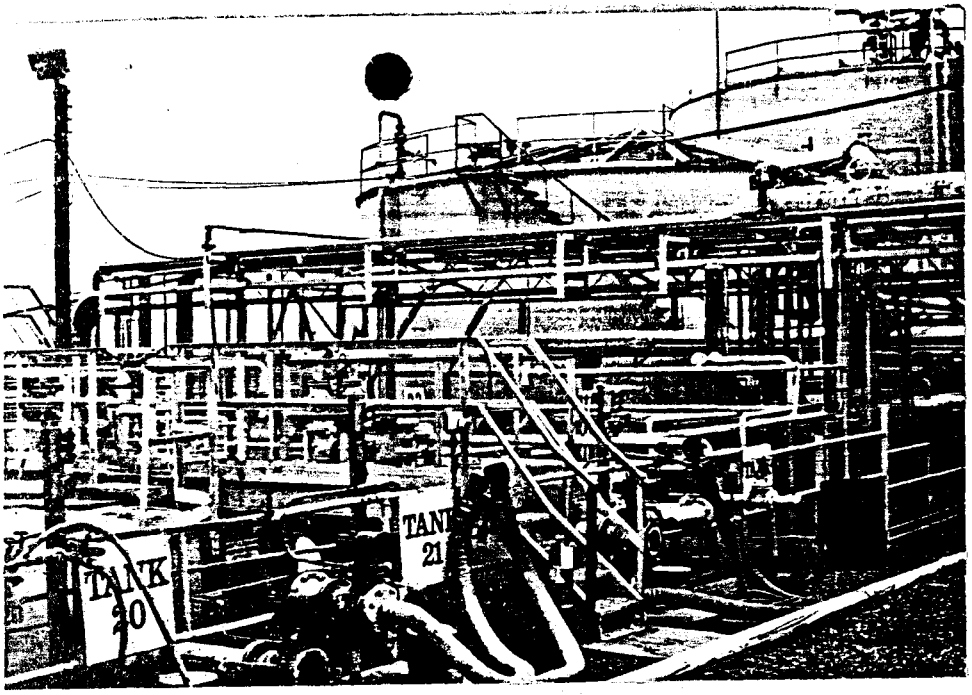
IT VINE HILL
RTINEZ, CA
6-15-88



TANKS 14 & 16: RECEIVING, TREATMENT, & STORAGE TANKS



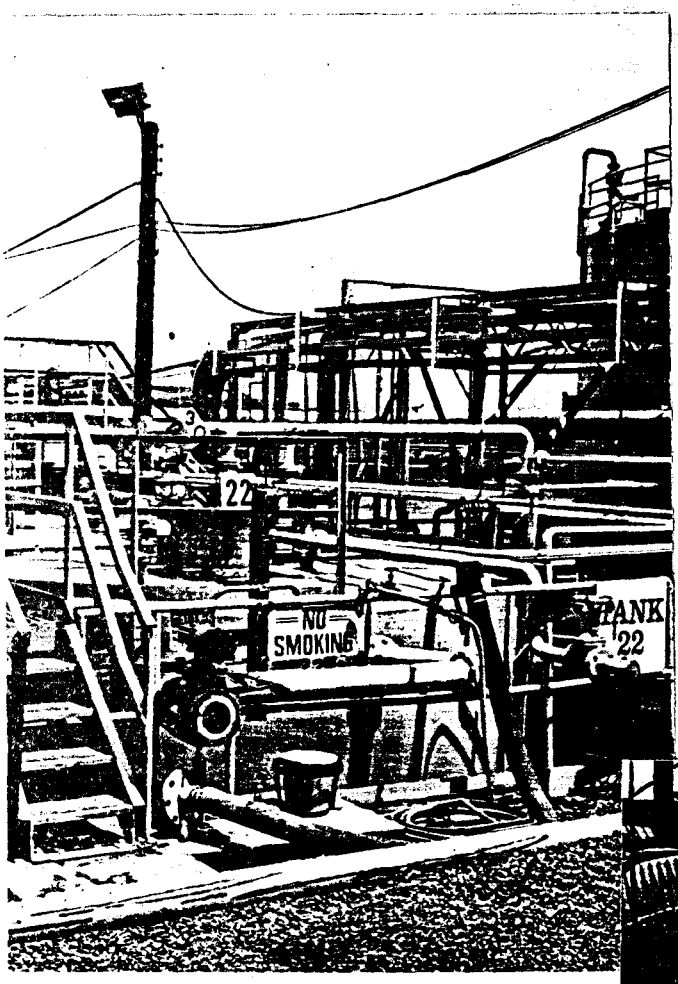
TANKS 18 & 19:
RECEIVING & STORAGE TANKS.
EMPTIED & CLEANED OUT JUNE,
CONTAINED WASTE FUEL SLUDGE
NOTE: HOSES TO TANKS HAVE
BEEN DISCONNECTED.



MT VINE HILL
MARTINEZ, CA
6-15-88

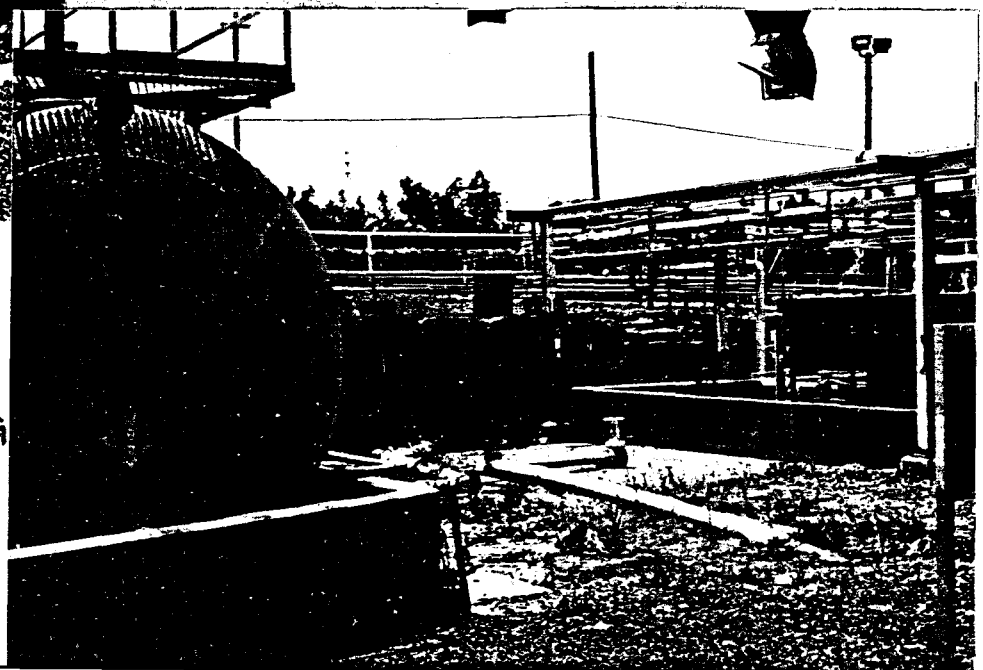
TANKS 20 & 21:

TANK 20, a receiving & STORAGE TANK. TANK 21, A RECEIVING, STORAGE, & BLENDING TANK FOR FUELS FOR THE INCINERATOR. HOSE HAS BEEN DISCONNECTED FROM TANK 20: IT WAS CLEANED OF WASTE FUEL SLUDGE IN JUNE '88.

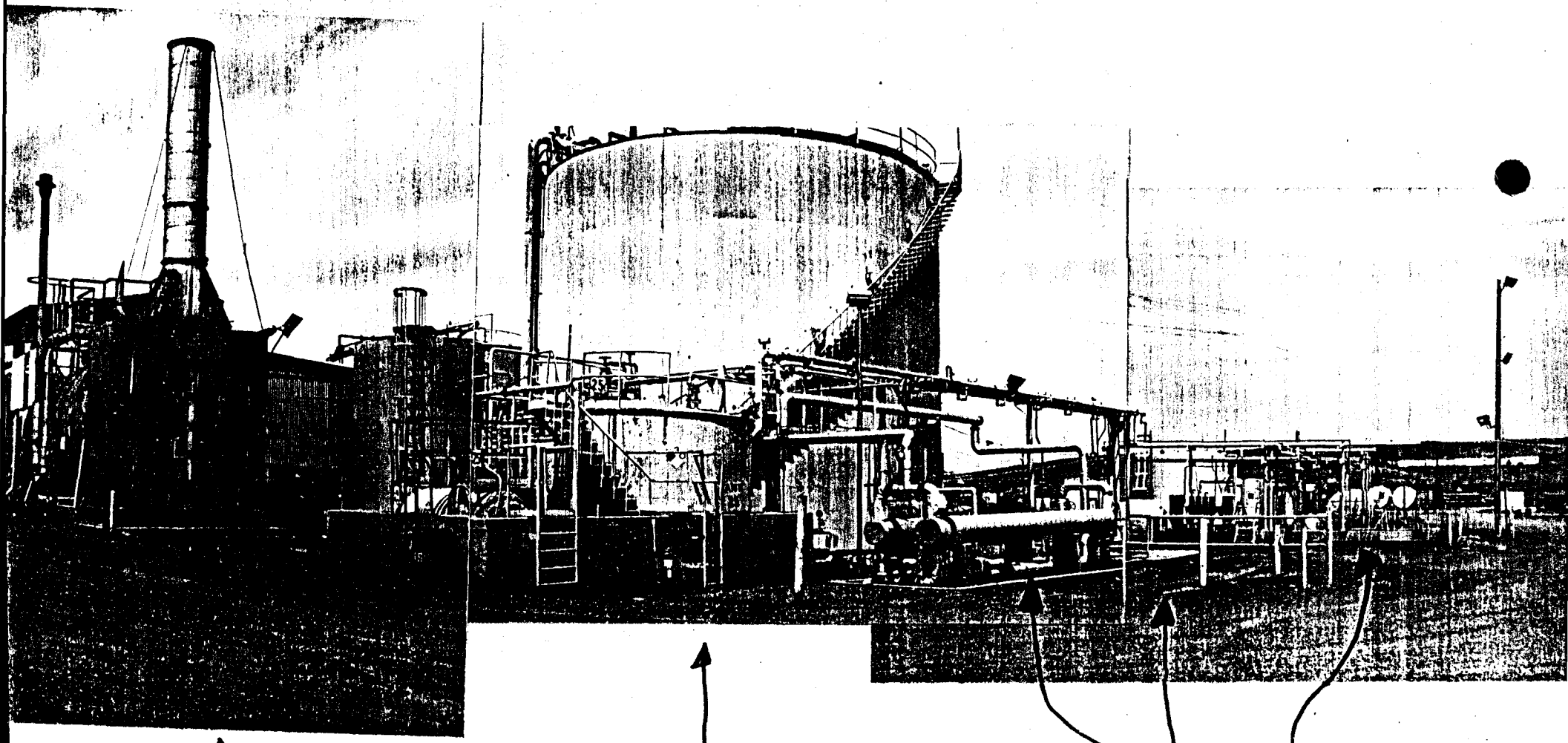


TANK 22:

A RECEIVING, STORAGE, AND BLENDING TANK. IT WAS EMPTIED OF WASTE FUEL SLUDGE & CLEANED JUNE '88
NOTE: HOSE TO TANK OUTLET HAS BEEN DISCONNECTED



TANK 1: RECEIVING, STORAGE AND TX TANK FOR WASTE ACID. ACID WASTE REQUIRING REDUCTION OF CR^{6+} IS TREATED HERE.



LOOKING WEST FROM POND 100 FENCE TO:

INCINERATOR

TANKS 24 & 25

HEAT EXCHANGER FOR INCINERATOR

NITROGEN STORAGE TANK HAS BEEN REMOVED (USED FOR N_2 BLANKET

PILOT PROJECT PLANT FOR BRINE EVAPORATION & CRYSTALLIZATION

IT VINE HILL
MARTINEZ, CA
6-15-88

ATTACHMENT D: TANK CONTENTS AND VOLUMES - 1 PAGE

INTERNATIONAL TECHNOLOGY CORPORATION

March 11, 1988

Mr. Dwight Hoenig
California Department of
Health Services
2151 Berkeley Way, Annex 7
Berkeley, CA 94704

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The extension is requested for the following tanks. Estimated volumes containined within the tanks are estimated, as shown.

Tank No.	Waste Description	Volume
1	Acid heel	1,200 gal.
11	Sludge	22,054 gal.
12	Sludge	20,230 gal.
13	Caustic sludge	1,900 gal.
14	Sludge	2,850 gal.
15	Sludge	1,750 gal.
16	Sludge	1,500 gal.
17	Caustic sludge	1,500 gal.
18	Waste fuels	10,900 gal.
19	Waste fuels	12,650 gal.
20	Waste fuels	13,550 gal
21	Sludge	16,418 gal.
22	Waste fuels	8,710 gal.
23	Fuel sludge	44,625 gal.
24	Fuel sludge	37,100 gal.

An analysis of the tank bottoms are attached for your information.

If you have any questions, please contact Chuck Youngson, at (415) 372-9100.

Sincerely yours,

G. Douglas Clark
General Manager

GDC:0000

IT CORPORATION

IT ANALYTICAL SERVICES

896 Waterbird Way • Martinez, California 94

ATTACHMENT E: 'SWIMMING POOLS' CONTENTS ANALYSIS
2 PAGES

CERTIFICATE OF ANALYSIS

Prepared For: John White

Date: February 10, 1988

RE: West Swimming Pool

M8-02-027

Date Received	P O Number:	Job Number:
02/05/88	NA	90182B

TEST	RESULT	UNITS
HCVP	0	ppm
DENSITY	1000	G/L
pH	8.3	
NORMALITY	<0.1	N
SON	0	%
CN	ND<5	ppm
SULFIDE	ND<2	ppm
FORMALDEHYDE	ND<5	ppm
AMMONIA	ND<15	ppm
FLUORIDE	NA	ppm
XS-OXIDANT	NEG	
FLASHPOINT	NA	DEG/C
AQUEOUS	100	%
SOLIDS	NA	%
OIL	NA	%
POLAR	NA	ppm
NON-POLAR	NA	ppm
HALOGENATED	ND	mg/kg
PHENOL	ND<5	ppm

COMMENTS

RESULTS BY GC ANALYSIS

TEST	RESULT	UNITS
FORMALDEHYDE	NA	ppm
PCB	NA	mg/kg
PHENOL	NA	ppm
CRESOL	NA	ppm
HALOGENATED	NA	ppm

RESULTS BY IC ANALYSIS

CN	NA	ppm
SULFIDE	NA	ppm
FLUORIDE	NA	ppm
PHENOL	NA	ppm

RESULTS BY ICAP ANALYSIS

TEST	RESULT	UNITS
Tl	<0.050	ppm
As	<0.007	ppm
Hg	<0.002	ppm
Se	<0.100	ppm
Pb	<0.004	ppm
Cd	<0.003	ppm
Ni	<0.050	ppm
Cr	<0.004	ppm
Cr +6	NA	ppm
Be	<0.001	ppm
Cu	<0.020	ppm
Fe	NA	ppm
Co	NA	ppm
Zn	.053	ppm

I certify that this report truly represents the finding of work performed by me or under my direct supervision.

Rhonda Biedermann
Analytical Laboratory Manager

Reviewed and Approved

Tom Cors
Data Management Supervisor

Approved by the California State Department of Health

IT CORPORATION

IT ANALYTICAL SERVICES

896 Waterbird Way • Martinez, California 94553 • 415-228-5806

CERTIFICATE OF ANALYSIS

Prepared For: John White

Date: February 10, 1988

RE: East Swimming Pool

M8-02-027

Date Received	P.O. Number:	Job Number:
02/05/88	NA	90182

TEST	RESULT	UNITS
HCVP	0	ppm
DENSITY	1000	G/L
pH	8.7	
NORMALITY	<0.1	N
SON	0	%
CN	ND<5	ppm
SULFIDE	ND<2	ppm
FORMALDEHYDE	ND<5	ppm
AMMONIA	ND<15	ppm
FLUORIDE	NA	ppm
XS-OXIDANT	NEG	
FLASHPOINT	NA	DEG/C
AQUEOUS	100	%
SOLIDS	ND	%
OIL	ND	%
POLAR	NA	ppm
NON-POLAR	NA	ppm
HALOGENATED	ND	mg/kg
PHENOL	ND<5	ppm

COMMENTS

RESULTS BY GC ANALYSIS

TEST	RESULT	UNITS
FORMALDEHYDE	NA	ppm
PCB	NA	mg/kg
PHENOL	NA	ppm
CRESOL	NA	ppm
HALOGENATED	NA	ppm

RESULTS BY IC ANALYSIS

CN	NA	ppm
SULFIDE	NA	ppm
FLUORIDE	NA	ppm
PHENOL	NA	ppm

RESULTS BY ICAP ANALYSIS

TEST	RESULT	UNITS
Tl	<0.050	ppm
As	<0.007	ppm
Hg	<0.002	ppm
Se	<0.100	ppm
Pb	<0.004	ppm
Cd	<0.003	ppm
Ni	<0.050	ppm
Cr	<0.004	ppm
Cr +6	NA	ppm
Be	<0.001	ppm
Cu	<0.020	ppm
Fe	NA	ppm
Co	NA	ppm
Zn	.032	ppm

I certify that this report truly represents the finding of work performed by me or under my direct supervision.

Rhonda Biedermann
Analytical Laboratory Manager

Reviewed and Approved

Tom Cors
Data Management Supervisor

Approved by the California State Department of Health

ATTACHMENT F: 1987 ANNUAL REPORT COVER LETTER & WASTE FLOW DIAGRAMS - [redacted] PAGES

03388

FILE COPY

INTERNATIONAL TECHNOLOGY CORPORATION

April 26, 1988

Mr. Robert Hosea
Department of Health Services
Toxic Substances Control Division
Hazardous Waste Report
P.O. Box 3000
Sacramento, CA 95812

Dear Sir:

In accordance with Section 67165 of Title 22 of the California Code of Regulations and the EPA's Biennial Facility Report requirements, IT Corporation is submitting the enclosed Annual Facility Hazardous Waste Reports for the Vine Hill, Baker, and IT Oil facilities, EPA ID#'S CAD000094771, CAD089680250, and CAD000092619, now referred to as the Vine Hill Treatment Complex. An extension to the filing deadline until April 30, 1988, was granted by David Leu, Chief of the Alternative Technology Section, in a letter dated April 12, 1988.

In accordance with training session guidance we have reported remaining disposal capacities in the Facility Report section for surface impoundments subject to TPCA as zero, and we have reported receipts by California Waste Category only. For clarification we have included flow charts similar to the 1986 Annual Report submittals detailing the movement of incoming waste and transfers within the Treatment Complex.

As in 1986 the environmental monitoring data represents the Treatment Complex as a single unit rather than three separate facilities. The Hydrogeological Assessment Report (HAR) submitted to Mr. Roger James, California Regional Water Quality Control Board, San Francisco Bay Region, on November 5, 1987, and numerous other submittals related to ground water monitoring made under the site's Cleanup and Abatement Order No. 86-014 provide additional groundwater information. These submittals are not copied with this report.

If you have any questions regarding these reports, please call John Ettl at (415) 372-9100.

Sincerely,

Douglas S. Waltermire

Douglas S. Waltermire
Manager of Compliance and Monitoring

cc: Roger James, CRWQCB, San Francisco Bay Region

Regional Office
4585 Pacheco Boulevard • Martinez California 94553 • 415-372-9100

SUPPLEMENT TO ANNUAL REPORT, 1987

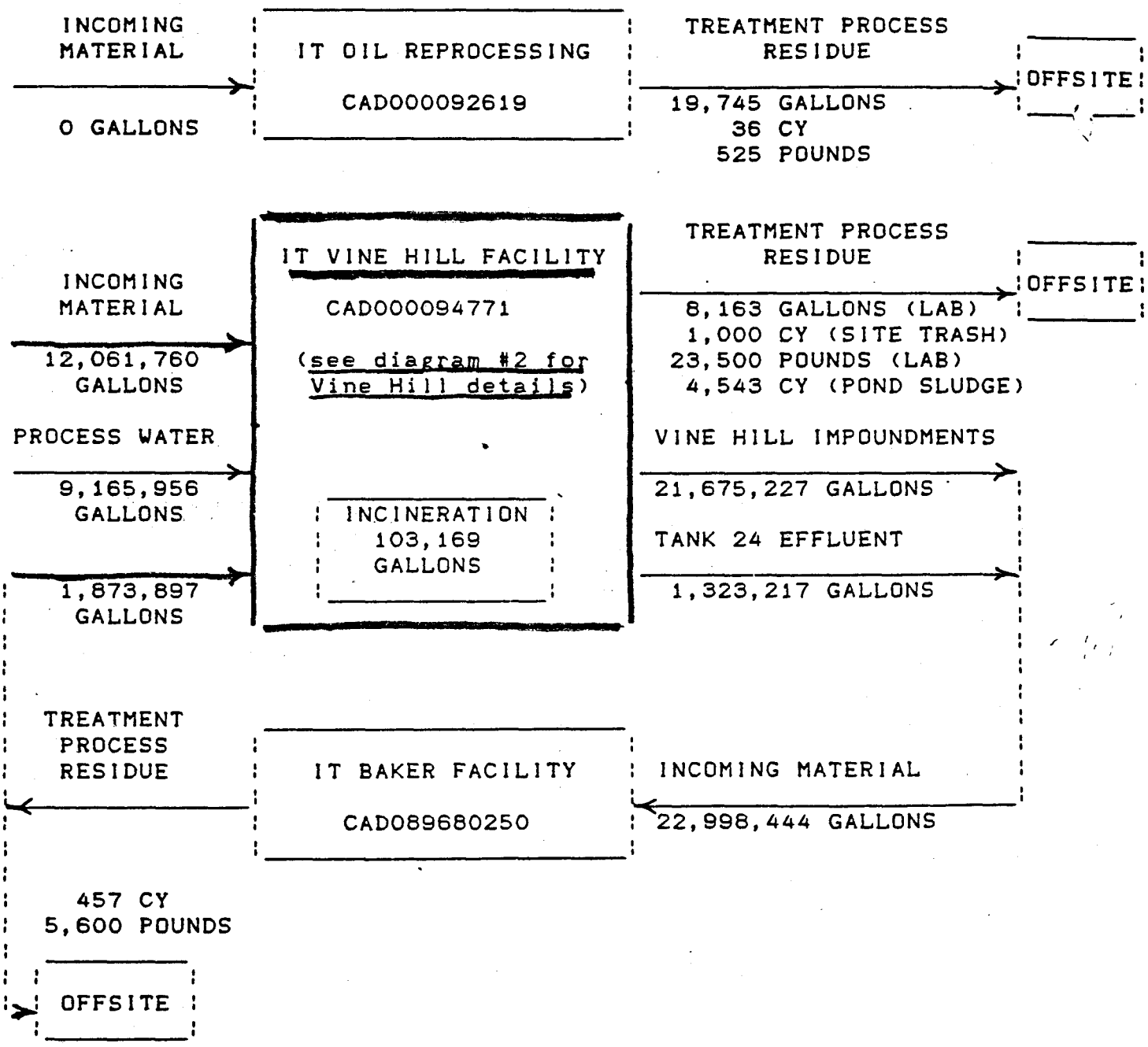

DIAGRAM #1 : FLOW CHART FOR IT OIL, VINE HILL, and BAKER

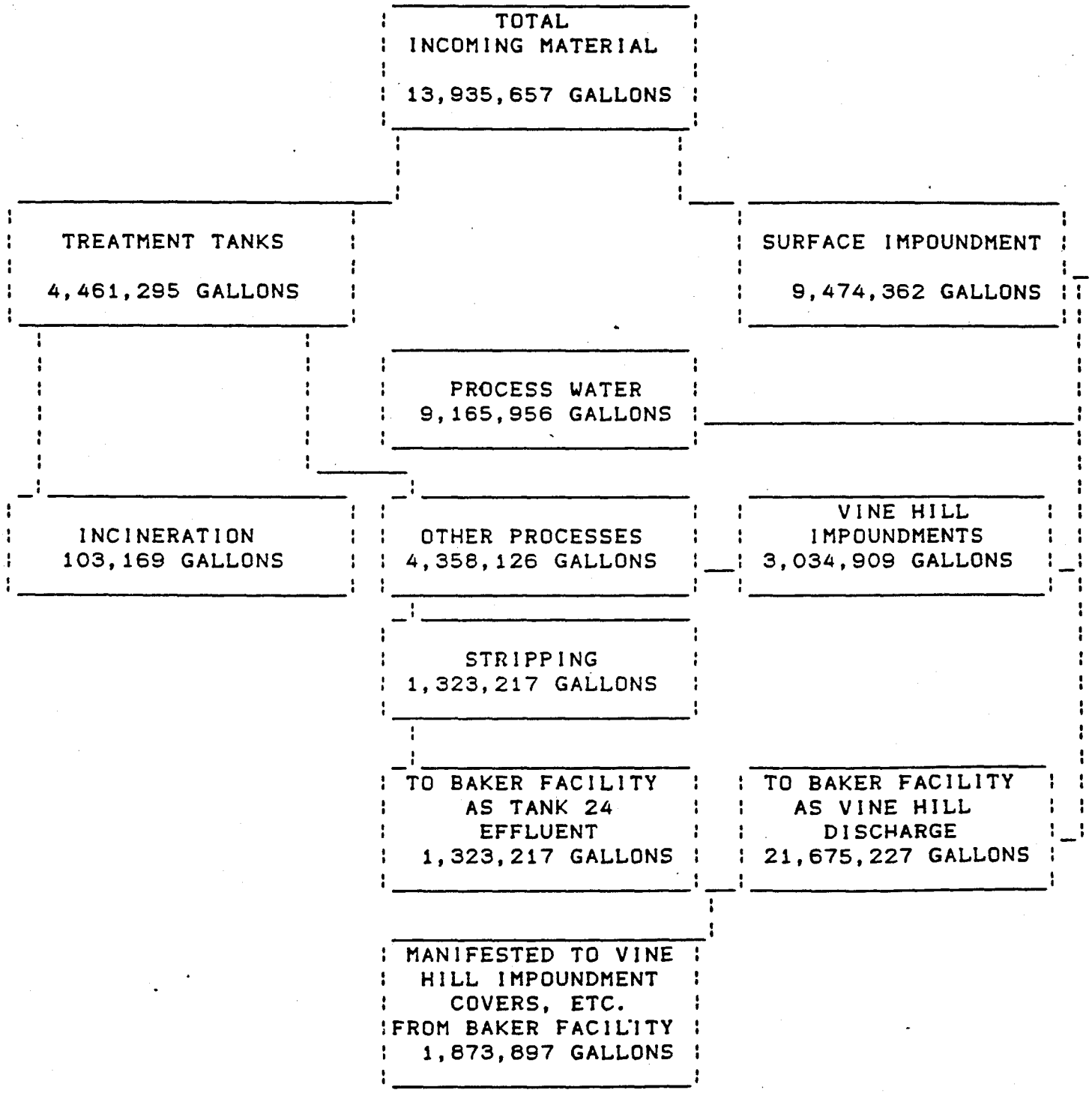

DIAGRAM #2 : VINE HILL FACILITY FLOW DETAIL

ATTACHED TO ANNUAL REPORT 4-26-88
OBTAINED BY C. YOUNTS 6-24-88

PAGE NO. 1

I.T. CORP. - VINE HILL SITE
1987 4th QUARTER
GROUNDWATER MONITORING RESULTS

DATE: 01/15/88

WELL NAME	UNITS	MW-201	MW-202	MW-203	MW-204	MW-205
DATE		11/24/87	11/23/87	11/23/87	11/16/87	11/16/87
ID NUMBER		11241405	11231500	11231400	11161520	11161530
DUPLICATE						
ALKALINITY	mg/L	700	1000	NO BOTTLE	1500	1100
CHLORIDE	mg/L	500	8500	NO BOTTLE	15000	12000
CHEMICAL OXYGEN DEMAND	mg/L	100	100	NO BOTTLE	170	510
COLIFORM	MPN/100ml	2	8		ND (2	170
HEXAVALENT CHROMIUM	mg/L	ND (0.01	ND (0.1		NOT VALID	NOT VALID
PHENOLICS	mg/L	0.02	0.01	NO BOTTLE	ND (0.01	ND (0.01
TOTAL DISSOLVED SOLIDS	mg/L	1700	15000	NO BOTTLE	30000	21000
SULFATE	mg/L	40	140	NO BOTTLE	3100	760
GROSS ALPHA NONFILTERABLE	pCi/L	18	ND (50		148	ND (11
GROSS BETA NONFILTERABLE	pCi/L	59	ND (204		ND (549	393
RADIUM 226 NONFILTERABLE	pCi/L	ND (0.6	1.2		ND (0.6	0.7
RADIUM 228 NONFILTERABLE	pCi/L	ND (5.0	ND (4.7		ND (2.7	ND (3.
ARSENIC	mg/L	ND (0.03	ND (0.03	NO BOTTLE	ND (0.03	ND (0.03
BARIUM	mg/L	0.22	0.88	NO BOTTLE	0.089	0.044
CADMIUM	mg/L	ND (0.005	ND (0.005	NO BOTTLE	ND (0.005	ND (0.005
CALCIUM	mg/L	140	540	NO BOTTLE	700	350
TOTAL CHROMIUM	mg/L	ND (0.01	ND (0.01	NO BOTTLE	ND (0.01	ND (0.01
COPPER	mg/L	ND (0.01	ND (0.01	NO BOTTLE	ND (0.01	ND (0.01
IRON	mg/L	0.07	9.7	NO BOTTLE	5.1	0.11
LEAD	mg/L	ND (0.03	0.06	NO BOTTLE	0.05	ND (0.03
MAGNESIUM	mg/L	78	760	NO BOTTLE	880	820
MANGANESE	mg/L	1.6	2.1	NO BOTTLE	8.2	8.2
MERCURY	mg/L	ND (0.001	ND (0.002	NO BOTTLE	ND (0.003	ND (0.002
NICKEL	mg/L	ND (0.02	ND (0.02	NO BOTTLE	ND (0.02	ND (0.02
POTASSIUM	mg/L	ND (1	32	NO BOTTLE	70	130
SELENIUM	mg/L	ND (0.06	ND (0.06	NO BOTTLE	ND (0.06	ND (0.06
SILVER	mg/L	ND (0.005	ND (0.005	NO BOTTLE	ND (0.005	ND (0.005
SODIUM	mg/L	260	3900	NO BOTTLE	5800	8500
TOTAL ORGANIC CARBON 1	mg/L	18	14	80	8	7
TOTAL ORGANIC CARBON 2	mg/L	26	17	83	9	5
TOTAL ORGANIC CARBON 3	mg/L	15	14	80	9	5
TOTAL ORGANIC CARBON 4	mg/L	17	14	78	8	5
TOTAL ORGANIC HALOGEN 1	mg/L	ND (0.05	0.41	2.2	0.16	1.2
TOTAL ORGANIC HALOGEN 2	mg/L	ND (0.05	0.45	2.2	0.46	0.54
TOTAL ORGANIC HALOGEN 3	mg/L	ND (0.05	0.71	1.6	0.14	1.0
TOTAL ORGANIC HALOGEN 4	mg/L	ND (0.05	0.73	1.3	0.23	1.1
2,4 - D	mg/L	ND (0.0001	ND (0.0001	NO BOTTLE	ND (0.0001	ND (0.0001
ENDRIN	mg/L	ND (0.0001	ND (0.0001	NO BOTTLE	ND (0.0001	ND (0.0001
LINDANE	mg/L	ND (0.0001	ND (0.0001	NO BOTTLE	ND (0.0001	ND (0.0001
METOXYCLOR	mg/L	ND (0.0001	ND (0.0001	NO BOTTLE	ND (0.0001	ND (0.0001
TOXAPHENE	mg/L	ND (0.0004	ND (0.0004	NO BOTTLE	ND (0.0004	ND (0.0004
2,4,5 - T	mg/L	ND (0.0001	ND (0.0001	NO BOTTLE	ND (0.0001	ND (0.0001

ATTACHMENT G: GROUND H_2O MONITORING RESULTS; 4TH QTR. 1987
8 PAGES

I.T. CORP. - VINE HILL SITE
1987 4th QUARTER
GROUNDWATER MONITORING RESULTS

DATE: 01/15/88

WELL NAME	UNITS	MW-201	MW-202	MW-203	MW-204	MW-205
DATE		11/24/87	11/23/87	11/23/87	11/16/87	11/16/87
ID NUMBER		11241405	11231500	11231400	11161520	11161530
DUPLICATE						
STATIC ELEVATION	feet	8.63	3.96		7.16	3.60
TEMPERATURE	degrees C	17.30	18.30		20.20	21.10
pH FIRST READING	SU	6.82	6.31		6.94	6.62
pH SECOND READING	SU	7.05	3.46		6.88	6.53
pH THIRD READING	SU	7.03	6.53		6.91	6.51
pH FOURTH READING	SU	7.06	6.49		6.96	6.54
SPECIFIC CONDUCTIVITY #1	umhos/cm	3060	2200			
SPECIFIC CONDUCTIVITY #2	uhmos/cm	2500	2250			
SPECIFIC CONDUCTIVITY #3	uhmos/cm	2480	2280			
SPECIFIC CONDUCTIVITY #4	umhos/cm	2460	2270			

I.T. CORP. - VINE HILL SITE
1987 4th QUARTER
GROUNDWATER MONITORING RESULTS

DATE: 01/15/88

WELL NAME	UNITS	MW-206	MW-206	MW-207	MW-209	MW-212
DATE		11/17/87	11/17/87	11/17/87	11/24/87	11/24/87
ID NUMBER		11171400	11171405	11171440	11241345	11241310
DUPLICATE			FDP			
ALKALINITY	mg/L	1300	1300	NO BOTTLE	3700	3400
CHLORIDE	mg/L	9500	9400	NO BOTTLE	23000	9800
CHEMICAL OXYGEN DEMAND	mg/L	69	69	NO BOTTLE	710	350
COLIFORM	MPN/100ml	ND (2	ND (2		ND (2	ND (2
HEXAVALENT CHROMIUM	mg/L	ND (0.1	ND (0.1		ND (1.0	ND (1.0
PHENOLICS	mg/L	ND (0.01	ND (0.01	NO BOTTLE	0.11	ND (0.02
TOTAL DISSOLVED SOLIDS	mg/L	16000	16000	NO BOTTLE	38000	30000
SULFATE	mg/L	380	410	NO BOTTLE	1600	8800
GROSS ALPHA NONFILTERABLE	pCi/L	ND (67	113	INSUFF. VOLUME	ND (139	365
GROSS BETA NONFILTERABLE	pCi/L	ND (230	ND (179	INSUFF. VOLUME	ND (516	ND (344
RADIUM 226 NONFILTERABLE	pCi/L	0.7	0.6	INSUFF. VOLUME	0.6	ND (0.6
RADIUM 228 NONFILTERABLE	pCi/L	ND (3.5	ND (2.7	INSUFF. VOLUME	ND (2.0	ND (4.5
ARSENIC	mg/L	ND (0.03	ND (0.03	NO BOTTLE	ND (0.03	ND (0.03
BARIUM	mg/L	0.28	0.29	NO BOTTLE	0.78	0.11
CADMIUM	mg/L	ND (0.005	ND (0.005	NO BOTTLE	ND (0.005	ND (0.005
CALCIUM	mg/L	630	660	NO BOTTLE	700	720
TOTAL CHROMIUM	mg/L	ND (0.01	ND (0.01	NO BOTTLE	ND (0.01	ND (0.01
COPPER	mg/L	ND (0.01	ND (0.01	NO BOTTLE	ND (0.01	ND (0.01
IRON	mg/L	1.4	1.5	NO BOTTLE	0.54	26.0
LEAD	mg/L	0.05	0.05	NO BOTTLE	0.08	0.07
MAGNESIUM	mg/L	800	810	NO BOTTLE	1800	1300
MANGANESE	mg/L	5.1	5.2	NO BOTTLE	1.5	2.7
MERCURY	mg/L	ND (0.001	ND (0.001	NO BOTTLE	ND (0.003	ND (0.002
NICKEL	mg/L	ND (0.02	ND (0.02	NO BOTTLE	ND (0.02	0.08
POTASSIUM	mg/L	13	14	NO BOTTLE	200	120
SELENIUM	mg/L	ND (0.06	ND (0.06	NO BOTTLE	ND (0.06	ND (0.06
SILVER	mg/L	ND (0.005	ND (0.005	NO BOTTLE	ND (0.005	ND (0.005
SODIUM	mg/L	3800	4000	NO BOTTLE	7600	6100
TOTAL ORGANIC CARBON 1	mg/L	6	8	59	68	84
TOTAL ORGANIC CARBON 2	mg/L	5	5	61	69	83
TOTAL ORGANIC CARBON 3	mg/L	5	5	58	72	83
TOTAL ORGANIC CARBON 4	mg/L	5	9	62	68	83
TOTAL ORGANIC HALOGEN 1	mg/L	0.85	1.3	1.6	1.3	0.84
TOTAL ORGANIC HALOGEN 2	mg/L	0.91	0.93	0.54	0.71	0.51
TOTAL ORGANIC HALOGEN 3	mg/L	0.54	0.80	0.35	0.47	1.3
TOTAL ORGANIC HALOGEN 4	mg/L	0.20	0.60	0.66	0.60	0.58
2,4 - D	mg/L	ND (0.0001	ND (0.0001	ND (0.0002	ND (0.0006	ND (0.0003
ENDRIN	mg/L	ND (0.0002	ND (0.0002	ND (0.0002	ND (0.0001	ND (0.0001
LINDANE	mg/L	ND (0.0002	ND (0.0002	ND (0.0002	ND (0.0001	ND (0.0001
METOXYCLOR	mg/L	ND (0.0002	ND (0.0002	ND (0.0002	ND (0.0001	ND (0.0001
TOXAPHENE	mg/L	ND (0.0008	ND (0.0008	ND (0.0008	ND (0.0004	ND (0.0004
2,4,5 - T	mg/L	ND (0.0001	ND (0.0001	ND (0.0001	ND (0.0001	ND (0.0001

I.T. CORP.- VINE HILL SITE
1987 4th QUARTER
GROUNDWATER MONITORING RESULTS

DATE: 01/15/88

WELL NAME	UNITS	MW-206	MW-206	MW-207	MW-209	MW-21[illegible]
DATE		11/17/87	11/17/87	11/17/87	11/24/87	11/24/87
ID NUMBER		11171400	11171405	11171440	11241345	11241310
DUPLICATE			FDP			
ST[illegible]C ELLVATION	feet	4.53		8.30		4.01
TEMPERATURE	degrees C	20.30		20.20	18.70	17.70
pH FIRST READING	SU	6.71		7.74	7.19	6.40
pH SECOND READING	SU	6.60		8.35	7.19	6.70
pH THIRD READING	SU	6.68		7.93	7.14	6.80
pH FOURTH READING	SU	6.65			7.15	6.85
SPECIFIC CONDUCTIVITY #1	umhos/cm				20000	3040
SPECIFIC CONDUCTIVITY #2	uhmos/cm				20000	2940
SPECIFIC CONDUCTIVITY #3	uhmos/cm				20000	2960
SPECIFIC CONDUCTIVITY #4	umhos/cm				20000	2980

I.T. CORP.- VINE HILL SITE
1987 4th QUARTER
GROUNDWATER MONITORING RESULTS

DATE: 01/15/88

WELL NAME	UNITS	MW-213	MW-214	MW-215	MW-216	MW-218
DATE		11/24/87	11/17/87	11/17/87	11/17/87	11/24/87
ID NUMBER		11241240	11171515	11171500	11171530	11241115
DUPLICATE						
ALKALINITY	mg/L	1500	950	NO BOTTLE	1500	NO BOTTLE
CHLORIDE	mg/L	6000	13000	NO BOTTLE	13000	NO BOTTLE
CHEMICAL OXYGEN DEMAND	mg/L	350	86	NO BOTTLE	100	NO BOTTLE
COLIFORM	MPN/100ml	ND (2	ND (2		ND (2	
HEXAVALENT CHROMIUM	mg/L	ND (1.0	ND (0.01	ND (1.0	ND (0.1	
PHENOLICS	mg/L	ND (0.01	ND (0.01	NO BOTTLE	ND (0.01	NO BOTTLE
TOTAL DISSOLVED SOLIDS	mg/L	9800	23000	NO BOTTLE	22000	NO BOTTLE
SULFATE	mg/L	15	1100	NO BOTTLE	13000	NO BOTTLE
GROSS ALPHA NONFILTERABLE	pCi/L		113	INSUFF. VOLUME	ND (21	INSUFF. VOLUME
GROSS BETA NONFILTERABLE	pCi/L		ND (204	INSUFF. VOLUME	ND (340	INSUFF. VOLUME
RADIUM 226 NONFILTERABLE	pCi/L		ND (0.6	INSUFF. VOLUME	0.8	INSUFF. VOLUME
RADIUM 228 NONFILTERABLE	pCi/L		ND (2.8	INSUFF. VOLUME	ND (3.0	INSUFF. VOLUME
ARSENIC	mg/L	ND (0.03	ND (0.03	NO BOTTLE	ND (0.03	NO BOTTLE
BARIUM	mg/L	0.70	0.064	NO BOTTLE	0.45	NO BOTTLE
CADMIUM	mg/L	ND (0.005	ND (0.005	NO BOTTLE	ND (0.005	NO BOTTLE
CALCIUM	mg/L	210	650	NO BOTTLE	530	NO BOTTLE
TOTAL CHROMIUM	mg/L	0.03	ND (0.01	NO BOTTLE	ND (0.01	NO BOTTLE
COPPER	mg/L	0.03	ND (0.01	NO BOTTLE	ND (0.01	NO BOTTLE
IRON	mg/L	44.0	0.02	NO BOTTLE	4.2	NO BOTTLE
LEAD	mg/L	0.10	0.04	NO BOTTLE	0.05	NO BOTTLE
MAGNESIUM	mg/L	190	870	NO BOTTLE	900	NO BOTTLE
MANGANESE	mg/L	2.6	18	NO BOTTLE	5.5	NO BOTTLE
MERCURY	mg/L	ND (0.001	ND (0.001	NO BOTTLE	ND (0.001	NO BOTTLE
NICKEL	mg/L	0.08	ND (0.02	NO BOTTLE	ND (0.02	NO BOTTLE
POTASSIUM	mg/L	110	15	NO BOTTLE	62	NO BOTTLE
SELENIUM	mg/L	ND (0.06	ND (0.06	NO BOTTLE	ND (0.06	NO BOTTLE
SILVER	mg/L	ND (0.005	ND (0.005	NO BOTTLE	ND (0.005	NO BOTTLE
SODIUM	mg/L	2900	5500	NO BOTTLE	6100	NO BOTTLE
TOTAL ORGANIC CARBON 1	mg/L	63	1	94	9	130
TOTAL ORGANIC CARBON 2	mg/L	61	1	94	9	130
TOTAL ORGANIC CARBON 3	mg/L	60	3	99	9	130
TOTAL ORGANIC CARBON 4	mg/L	60	8	91	9	130
TOTAL ORGANIC HALOGEN 1	mg/L	0.10	0.41	3.2	1.3	0.15
TOTAL ORGANIC HALOGEN 2	mg/L	0.14	1.1	1.1	0.74	0.17
TOTAL ORGANIC HALOGEN 3	mg/L	0.23	0.52	1.0	0.54	0.21
TOTAL ORGANIC HALOGEN 4	mg/L	0.22	0.96	0.33	0.63	0.28
2,4 - D	mg/L	ND (0.0001	ND (0.0001	NO BOTTLE	ND (0.0001	NO BOTTLE
ENDRIN	mg/L	ND (0.0001	ND (0.0002	NO BOTTLE	ND (0.0002	NO BOTTLE
LINDANE	mg/L	ND (0.0001	ND (0.0002	NO BOTTLE	ND (0.0002	NO BOTTLE
METOXYCLOR	mg/L	ND (0.0001	ND (0.0002	NO BOTTLE	ND (0.0002	NO BOTTLE
TOXAPHENE	mg/L	ND (0.0004	ND (0.0008	NO BOTTLE	ND (0.0008	NO BOTTLE
2,4,5 - T	mg/L	ND (0.0001	ND (0.0001	NO BOTTLE	ND (0.0001	NO BOTTLE

I.T. CORP. - VINE HILL SITE
1987 4th QUARTER
GROUNDWATER MONITORING RESULTS

DATE: 01/15/88

WELL NAME	UNITS	MW-213	MW-214	MW-215	MW-216	MW-218
DATE		11/24/87	11/17/87	11/17/87	11/17/87	11/24/87
ID NUMBER		11241240	11171515	11171500	11171530	11241115
DUPLICATE						
STATIC ELEVATION	feet		6.11	9.38	7.00	9.46
TEMPERATURE	degrees C	18.60	19.30	18.00	16.50	17.40
pH FIRST READING	SU	7.44	6.73	7.41	6.60	7.04
pH SECOND READING	SU	7.43	6.69		6.62	
pH THIRD READING	SU	7.49	6.68		6.58	
pH FOURTH READING	SU		6.61		6.62	
SPECIFIC CONDUCTIVITY #1	umhos/cm	1998	290	6695	3436	47100
SPECIFIC CONDUCTIVITY #2	uhmos/cm	1982	201		3100	
SPECIFIC CONDUCTIVITY #3	uhmos/cm	1996	300		3300	
SPECIFIC CONDUCTIVITY #4	umhos/cm		290		3240	

I.T. CORP.- VINE HILL SITE
1987 4th QUARTER
GROUNDWATER MONITORING RESULTS

DATE: 01/15/88

WELL NAME	UNITS	MW-219
DATE		11/24/87
ID NUMBER		11241200
DUPLICATE		
ALKALINITY	mg/L	1600
CHLORIDE	mg/L	8000
CHEMICAL OXYGEN DEMAND	mg/L	82
COLIFORM	MPN/100ml	13
HEXAVALENT CHROMIUM	mg/L	ND (0.01
PHENOLICS	mg/L	ND (0.01
TOTAL DISSOLVED SOLIDS	mg/L	14000
SULFATE	mg/L	220
GROSS ALPHA NONFILTERABLE	pCi/L	49
GROSS BETA NONFILTERABLE	pCi/L	ND (206
RADIUM 226 NONFILTERABLE	pCi/L	1.0
RADIUM 228 NONFILTERABLE	pCi/L	ND (2.7
ARSENIC	mg/L	ND (0.03
BARIUM	mg/L	0.38
CADMIUM	mg/L	ND (0.005
CALCIUM	mg/L	460
TOTAL CHROMIUM	mg/L	ND (0.01
COPPER	mg/L	0.02
IRON	mg/L	1.7
LEAD	mg/L	0.05
MAGNESIUM	mg/L	640
MANGANESE	mg/L	3.5
MERCURY	mg/L	ND (0.002
NICKEL	mg/L	ND (0.02
POTASSIUM	mg/L	8
SELENIUM	mg/L	ND (0.06
SILVER	mg/L	ND (0.005
SODIUM	mg/L	3400
TOTAL ORGANIC CARBON 1	mg/L	9
TOTAL ORGANIC CARBON 2	mg/L	8
TOTAL ORGANIC CARBON 3	mg/L	9
TOTAL ORGANIC CARBON 4	mg/L	9
TOTAL ORGANIC HALOGEN 1	mg/L	0.14
TOTAL ORGANIC HALOGEN 2	mg/L	0.17
TOTAL ORGANIC HALOGEN 3	mg/L	0.19
TOTAL ORGANIC HALOGEN 4	mg/L	0.23
2,4 - D	mg/L	ND (0.0001
ENDRIN	mg/L	ND (0.0001
LINDANE	mg/L	ND (0.0001
METOXYCLOR	mg/L	ND (0.0001
TOXAPHENE	mg/L	ND (0.0004
2,4,5 - T	mg/L	ND (0.0001

I.T. CORP.- VINE HILL SITE
1987 4th QUARTER
GROUNDWATER MONITORING RESULTS

WELL NAME	UNITS	MW-219
DATE		11/24/87
ID NUMBER		11241200
DUPLICATE		
STATIC ELEVATION	feet	3.77
TEMPERATURE	degrees C	17.70
pH FIRST READING	SU	6.79
pH SECOND READING	SU	6.51
pH THIRD READING	SU	6.51
pH FOURTH READING	SU	6.61
SPECIFIC CONDUCTIVITY #1	umhos/cm	21000
SPECIFIC CONDUCTIVITY #2	uhmos/cm	21200
SPECIFIC CONDUCTIVITY #3	uhmos/cm	21100
SPECIFIC CONDUCTIVITY #4	umhos/cm	21100

INTERNATIONAL TECHNOLOGY CORPORATION

ATTACHMENT H: WEEKLY INSPECTION REP
2 PAGES

SUPERVISORS FACILITIES AND EQUIP WEEKLY INSPECTION REPORT

FILE COPY

VINE HILL TREATMENT FACILITY

DATE 2/11/ TIME: 1715 PREPARED BY: WITH CHEONG

	Condition Good	Remedial Action Needed
A. CHEMICAL PHYSICAL, BIOLOGICAL TREATMENT/HOLDING TANKS		
1. Discharge control and safety equipment (e.g., waste feed cut-off systems, by-pass systems, drainage systems, and pressure relief systems) have been checked for proper operation.		WYC
2. Monitoring equipment such as pressure and temperature gauges are operating properly, and the treatment process or equipment is being operated according to its design.	WYC	
3. All pumps, lines, tanks, vessels, and related equipment for the treatment process are free of leaks, corrosion, or other signs of deterioration.	WYC	
4. Construction materials of the discharge containement structures (dikes, levees, berms, etc.) are free of signs of erosion or obvious signs of leakage (e.g., wet spots or dead vegetation).	WYC	
B. STORAGE TANKS (NaOH, Peroxide, Diesel)		
1. Construction materials of the tanks or storage vessel are free of signs of leakage, corrosion, or other deterioration.	WYC	
2. Construction materials of the discharge confinement structures (dikes, levees, berms, etc.) are free of signs of erosion or obvious signs of leakage (e.g., wet spots or dead vegetation.)		WYC
3. Monitoring equipment such as temperature and pressure gauges are operating properly, and tanks are being operated according to their design.	WYC	
4. Discharge control equipment, such as waste feed cut-off systems, by-pass systems, and drainage systems, are operating properly.	WYC	
C. SURFACE IMPOUNDMENTS (Ponds)		
1. The entire surface impoundment including the construction material of the discharge containement structures (e.g., dikes, levees, berms, etc.) and surrounding vegetation is free of signs of erosion, leakage, or other deterioration.	WYC	
2. All surface impoundments are maintained with at least two feet of freeboard to prevent overtopping of the dike by overfilling, wave action, or a storm. (Pond 103 is maintained with at least four feet of freeboard.)		WYC
3. All associated pumps, piping, hoses and related equipment are free of leaks, corrosion, or signs of deterioration.	WYC	
D. CONTAINER/DRUM STORAGE AREA		
1. All containers (drums, carboys, portable tanks, etc.) are free of signs of leakage or corrosion.	WYC	
2. Containers are properly stored with regard to chemical compatability, and there is no evidence of off-gasing or other potentially harmful chemical reactions in the container storage area.		WYC
3. All containers are adequately closed or otherwise covered when not in use.	WYC	
E. SECURITY		
All access gates and fencing have been inspected and are closed and maintained properly to limit unauthorized entry	WYC	
F. INCINERATOR		
1. The complete incinerator and associated equipment (pumps, valves, pipes, etc.) are free of leaks, spills and fugitive emissions.	WYC	
2. All emergency shutdown controls and system alarms have been checked and are operating	WYC	

FACILITIES AND EQUIPMENT WEEKLY INSPECTION REPORT

VINE HILL TREATMENT FACILITY

DATE 4/6/88 TIME 1300 PREPARED BY: WAH CHEONG

	Condition Good	Remedial Action Needed
A CHEMICAL PHYSICAL, BIOLOGICAL TREATMENT/HOLDING TANKS		
1. Discharge control and safety equipment (e.g., waste feed cut-off systems, by-pass systems, drainage systems, and pressure relief systems) have been checked for proper operation.	WHC	
2. Monitoring equipment such as pressure and temperature gauges are operating properly, and the treatment process of equipment is being operated according to its design.	WHC	
3. All pumps, lines, tanks, vessels, and related equipment for the treatment process are free of leaks, corrosion, or other signs of deterioration.	WHC	
4. Construction materials of the discharge containment structures (dikes, levees, berms, etc.) are free of signs of erosion or obvious signs of leakage (e.g., wet spots or dead vegetation).	WHC	
B STORAGE TANKS (NaOH, Peroxide, Diesel)		
1. Construction materials of the tanks or storage vessel are free of signs of leakage, corrosion, or other deterioration.	WHC	
2. Construction materials of the discharge containment structures (dikes, levees, berms, etc.) are free of signs of erosion or obvious signs of leakage (e.g., wet spots or dead vegetation.)	WHC	
3. Monitoring equipment such as temperature and pressure gauges are operating properly, and tanks are being operated according to their design.	WHC	
4. Discharge control equipment, such as waste feed cut-off systems, by-pass systems, and drainage systems, are operating properly.	WHC	
C. SURFACE IMPOUNDMENTS (Ponds)		
1. The entire surface impoundment including the construction material of the discharge containment structures (e.g., dikes, levees, berms, etc.) and surrounding vegetation is free of signs of erosion, leakage, or other deterioration.	WHC	
2. All surface impoundments are maintained with at least two feet of freeboard to prevent overtopping of the dike by overfilling, wave action, or a storm. (Pond 103 is maintained with at least four feet of freeboard.)		WHC
3. All associated pumps, piping, hoses and related equipment are free of leaks, corrosion, or signs of deterioration.	WHC	
D. CONTAINERIZED STORAGE AREA		
1. All containers (drums, carboys, portable tanks, etc.) are free of signs of leakage or corrosion.	WHC	
2. Containers are properly stored with regard to chemical compatability, and there is no evidence of off-gassing or other potentially harmful chemical reactions in the container storage area.	WHC	
3. All containers are adequately closed or otherwise covered when not in use.	WHC	
E. SECURITY		
All access gates and fencing have been inspected and are closed and maintained properly to limit unauthorized entry	WHC	
F. INCINERATOR		
1. The complete incinerator and associated equipment (pumps, valves, pipes, etc.) are free of leaks, spills and fugitive emissions.	WHC	
2. [illegible] alarms have been checked and are operating	WHC	

...for use on elite (12-pitch typewriter).

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD000094771 | Manifest Document No.: WW3128

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law

3. Generator's Name and Mailing Address
IT Corporation - Vine Hill Treatment Complex
896 Waterbird Way, Martinez, CA 94553
4. Generator's Phone (415) 372-9100

A. State Manifest Document Number: 8709814D
B. State Generator's ID: HY HQ + 3 6 0 8 7 0 8 0
C. State Transporter's ID: 60670
D. Transporter's Phone: (415) 372-9100

5. Transporter 1 Company Name: IT Transportation
6. US EPA ID Number: CAD 990 0 0 5 8 9 1 7
7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Gibson Refinery
End of Commercial Drive
Bakersfield, CA 93308
10. US EPA ID Number: CAD980883177
G. State Facility's ID:
H. Facility's Phone: (805) 327-0413

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No
a. WASTE OIL, NOS, COMBUSTIBLE LIQUID, NA 1270	001	TT	1510	G	State / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
WASTE FUEL FROM TANK 25 (See attached analytical data)

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
USE PROPER PROTECTIVE CLOTHING WHEN HANDLING MATERIAL. RCRA EXEMPT.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR

Printed/Typed Name: GREG MADEROS | Signature | Month Day Year: 10/6/87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: D Nichols | Signature | Month Day Year: 10/6/87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

8709814D

ATTACHMENT I: MANIFEST 5 PAGES

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

110722 #240

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD000094771
Manifest Document No.:
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
IT Corporation - Vine Hill Treatment Complex
896 Waterbird Way, Martinez, CA 94553
4. Generator's Phone (415) 372-9100

A. State Manifest Document Number: 87098146
B. State Generator's ID:

5. Transporter 1 Company Name: IT Transportation
6. US EPA ID Number: CAD 990 058917
C. State Transporter's ID: 806701
D. Transporter's Phone: (415) 372-9100

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Gibson Refinery
End of Commercial Drive
Bakersfield, CA 93308
10. US EPA ID Number: CAD980883177
G. State Facility's ID: CAD980883177
H. Facility's Phone: (805) 327-0413

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE OIL, NOS, COMBUSTIBLE LIQUID, NA 1270	001	TT	5000	G	State 221 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
WASTE FUEL FROM TANK 25 (See attached analytical data)
8154-4

K. Handling Codes for Wastes Listed Above
a. 01
b.
c. 501639
d.

15. Special Handling Instructions and Additional Information
USE PROPER PROTECTIVE CLOTHING WHEN HANDLING MATERIAL. RCRA EXEMPT.

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GREG MADEROS | Signature: [signature] | Month Day Year: 10 06 02 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: D Nobles | Signature: [signature] | Month Day Year: 10 06 02 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: | Signature: | Month Day Year:

19. Discrepancy Indication Space
1.) Actual gallons received = 3892.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Larry Cook | Signature: [signature] | Month Day Year: 10 06 02 88

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802, WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

California—Health and Welfare Agency
Approved OMB No. 2050—0039 (Expires 9-30-88)
Print or type. *(Form designed for use on elite (12-pitch typewriter).*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD000088477 1
Manifest Document No.: VH30[illegible]
Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
IT Corporation - Vine Hill Treatment Complex
896 Waterbird Way, Martinez, CA 94553

4. Generator's Phone (415) 372-9100

A. State Manifest Document Number: 87098145
B. State Generator's ID: IT RO 136007080

5. Transporter 1 Company Name: IT Transportation
6. US EPA ID Number: CAD000058817
C. State Transporter's ID: 801632
D. Transporter's Phone: (415) 372-9100

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
Gibson Refinery
End of Commercial Drive
Bakersfield, CA 93308

10. US EPA ID Number: CAD980883177
G. State Facility's ID
H. Facility's Phone: (805) 327-0413

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE OIL, NOS, COMBUSTIBLE LIQUID, NA 1270	001	TT	4800	G	State / EPA/Other
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
WASTE FUEL FROM TANK 25 (See attached analytical data)

K. Handling Codes for Wastes Listed Above
a. b. c. d.

15. Special Handling Instructions and Additional Information
USE PROPER PROTECTIVE CLOTHING WHEN HANDLING MATERIAL. RCRA EXEMPT.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

GENERATOR
Printed/Typed Name: GREG MADEROS | Signature: [signature] | Month Day Year: 10 6 0 2 8 8

TRANSPORTER
17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID PETERS | Signature: [signature] | Month Day Year: [illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY
19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Month Day Year

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

YELLOW: GENERATOR RETAINS

INSTRUCTIONS ON THE BACK

State of California—Health and Welfare Agency
Form Approved OMB No. 2050—0039 (Expires 9-30-88)
Please print or type. (Form designed for use on elite (12-pitch typewriter).

#110121

Department of Health Services
Toxic Substances Control Division
Sacramento, California

IN CASE OF AN EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAD000094771
Manifest Document No.: VH3017
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
IT Corporation - Vine Hill Treatment Complex
896 Waterbird Way, Martinez, CA 94553
4. Generator's Phone (415) 372-9100

A. State Manifest Document Number: 87038145
B. State Generator's ID: [illegible]

5. Transporter 1 Company Name: IT Transportation
6. US EPA ID Number: CAD000058917
C. State Transporter's ID: 801632
D. Transporter's Phone: (415) 372-9100

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
Gibson Refinery
End of Commercial Drive
Bakersfield, CA 93308
10. US EPA ID Number: CAD980883177
G. State Facility's ID: CAD980883177
H. Facility's Phone: (805) 327-0413

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. WASTE OIL, NOS, COMBUSTIBLE LIQUID, NA 1270	001	TT	4800	G	State 221 EPA/Other
b.					State EPA/Other
c.					State EPA/Other
d.					State EPA/Other

J. Additional Descriptions for Materials Listed Above
WASTE FUEL FROM TANK 25 (See attached analytical data)
8154-4

K. Handling Codes for Wastes Listed Above
a. 01 b. c. d.

15. Special Handling Instructions and Additional Information
USE PROPER PROTECTIVE CLOTHING WHEN HANDLING MATERIAL. RCRA EXEMPT.

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: GREG MADEROS
Signature: [signature]
Month Day Year: 06 01 88

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: DAVID PETERS
Signature: David Peters
Month Day Year: 06 01 88

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

19. Discrepancy Indication Space
1.) actual gallons received = 3932.

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Larry Cook
Signature: [signature]
Month Day Year: 06 02 88

DHS 8022 A (1/87)
EPA 8700—22
(Rev. 9-86) Previous editions are obsolete.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

INSTRUCTIONS ON THE BACK

INTERNATIONAL TECHNOLOGY CORPORATION
4585 Pacheco Blvd., Martinez, CA 94553
(415) 372-9100

TRANSPORTATION SERVICE ORDER

Customer Name: IT CORPORATION
Billing Address: VINE HILL
City: MARTINEZ
Job Location: PLANT   Tank:
Destination: GIBSON OIL
Type of Material: FUEL

Job: AABA01   Phase: Task: Sub-Task: Profit Center: 23

Disposal: IT ☐   Other ☐   None ☐   Manifest #:   #:
Manifest #:   #:   #:   #:
Services Performed:
LOAD FROM TANK 75 AND AROUND
TANK BASE

Truck No.: 1103   Trailer No.: 1152SV   Capacity: 150 BBl
Start Miles: End Miles: Miles Driven:
No. of Loads: 1   Quantity: 4200   BBL ☐   Gal ☒   Other:
Authorized and approved by: [signature]

Customers Site: Time In: 0845   Time In: Time In: Time In:
Time Out: Time Out: Time Out: Time Out:

Start: 0730 AM/PM   Stop: AM/PM   Gross Time: Hrs.
Meals: / AM/PM   To: / AM/PM   Less: Hrs.
Other Time: ADD/LESS   Hrs.
Drivers Name: PETERS   Drivers No. 51100

PROD. CODE	DESCRIPTION	EMPLOYEE #/ EQUIP. ID #	HOURS/ U.O.M.	QTY.		RATE	EXTENDED	CHG.
	Driver/Truck		S.T. Hours		@			
			O.T. Hours		@			
			D.T. Hours		@			
	Helpers				@			
	Miles				@			
	Bins				@			
	Drums				@			
	Waste removed from lease				@			
	Waste dump on lease				@			
					@			
Memo	Washouts				@			
Memo	Scale/cert tickets				@			
Memo	Subsistence				@			
Memo	Toll Charges				@			

This contract subject to terms and conditions as stated on reverse side.

Total:

WHITE: BILLING   YELLOW: OPERATIONS   PINK: CUSTOMER

178-12-85

INTERNATIONAL TECHNOLOGY CORPORATION

DAILY INSPECTION REPORT

ATTACHMENT J: DAILY INSPECTION REP 10 PAGES

VINE HILL TREATMENT FACILITY

DATE: 2/29/88 TIME: 1200/2200 NAME: WAYNE AKINIST / GIL JOHNSON

	Condition Good	Remedial Action Needed
A. CHEMICAL, PHYSICAL, AND BIOLOGICAL TREATMENT		
1. Discharge control and safety equipment (e.g., waste feed cut-off systems, drainage systems, and pressure relief systems) have been checked and are operating properly.	GJ	
2. Monitoring equipment (e.g., pressure and temperature gauges, level indicators, etc.) are operating properly, and the treatment process or equipment is being operated according to its design.	GJ	
3 All system alarms have been checked and are operating properly.	GJ	
B STORAGE TANKS (NaOH, Cl_2,H_2SO_4, Diesel		
Discharge control equipment (e.g., waste feed cut-off systems, by-pass systems, and drainage systems) are operating properly.	GJ	
C. SURFACE IMPOUNDMENTS (Ponds)		
Surface impoundments are maintained with at least two feet of freeboard to prevent overtopping of the dike by overfilling, wave action, or a storm. (Pond 103 must have at leaset four feet of freeboard).	WAK	
D. INCINERATOR		
1. The complete incinerator and associated equipment (pumps, valves, conveyors, pipes, etc.) is free of leaks, spills and fugitive emissions.	GJ	
2. Emergency shutdown controls and system alarms have been checked and are operating properly.	GJ	
E. EMERGENCY EQUIPMENT (Safety Showers/Eyewashes, Fire Extinguishers, Page/Phone Systems, Air Pacs, etc.)		
Emergency equipment has been checked and is in proper operating condition.	GJ	

Remedial Action Needed Work Order #	Maintenance Request	Remedial Action Taken	Date Completed	Signature

Completed By: W. A. Akinist G. L. Johnson

12/11/86

INTERNATIONAL TECHNOLOGY CORPORATION

DAILY INSPECTION REPORT

(Pond Levels)

--INTERIM FORM--

	Actual Freeboard FEET	
Pond 100	2	.20
Pond 101	2	.10
Pond 102A	2	.30
Pond 103	4	.00
Pond 104	2	.50
Pond 105	2	.10
Pond 106	2	.10

NAME: WAYNE A KNAT

DATE: 2/29/88

TIME: 1420

OPS4/24/87
Rev. 1/4/29/87

DAILY INSPECTION REPORT -- VINE HILL TREATMENT PLANT

DATE: 5-12-88 TIME: 0900 NAME(print): LORENSMITH SIGNATURE: Lorn Smith

REVISED

(G=good R=remedial action needed Y=yes N=no)

A. Receiving, Storage, and Treatment Systems (AFTER STORM INSPECTION ☐)

CIRCLE ONE OR FILL IN

	ATK-1	TK-11	TK-12	TK-13	TK-14	TK-15	TK-16	TK-17
1. Waste feed shutoff system*	R (G)	R (G)	R (G)	R (G)	R (G)	R (G)	R (G)	R (G)
2. Drainage system	R (G)	R (G)	R (G)	R (G)	R (G)	R (G)	R (G)	R (G)
3. Pressure relief system (PVRV's)	N/A	R (G)	R (G)	R (G)	R (G)	R (G)	R (G)	R (G)
4. Tank level (feet, inches)	1'	11'6"	10'7"	1'	1'4"	1'	2'1"	1'2"
5. Alarm system (on MIP)**	R (G)							
6. Signs of leakage from tanks or piping?	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)
7. Any evidence of corrosion on tanks or piping?	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)
8. Chemical hazards placard legible and in good condition?	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)
9. Any signs of seepage from containment structure?	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)

* - N/A. No Offloading; Power is shut off.to this system.

Description of Remedial Action Needed	Maintenance Request Work Order #, if needed	Description of Remedial Action Taken	Date Completed	Supervisor Signature

A. Receiving, Storage, and Treatment Systems (continued)

	TK-18	TK-19	TK-20	TK-21	TK-22	TK-23	TK-24	TK-2
1. Waste feed shutoff system	R G	R G	R G	R G	R G	N/A	N/A	N/A
2. Drainage system	R (G)	R (G)	R (G)	R (G)	R (G)	N/A	N/A	N/A
3. Pressure relief system (PVRV's)	R (G)	R (G)	R (G)	R (G)	R (G)	N/A	N/A	N/A
4. Tank level (feet, inches)	7'2"	6'3"	8'9"	10'10"	10'6"	4'7"	3'4"	9'9
5. Alarm system (on MIP) R G								
6. Signs of leakage from tanks or piping?	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y
7. Any evidence of corrosion on tanks or piping?	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y
8. Chemical hazards placard legible and in good condition?	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N (Y)	N
9. Any signs of seepage from containment structure?	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y (N)	Y

* - N/A. No Offloading. Power is shut off to this system.

B. Surface Impoundments

	100	101	102A	103	104	105	106
1. Impoundment freeboard (feet)	2 .40	2 .50	2 .10	4 .05	2 .20	2 .10	2 .15
2. Dikes, levees, and berms free of signs of erosion or deterioration?	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N
3. Discharge pumps and piping are in good working order?	Y N N/A	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N	(Y) N

C. Incinerator-Boiler

N/A. (Unit is not in operation.)

1. Piping and pumps are free of leaks or signs of corrosion?	YES	NO
2. Visible emissions from stack?	YES	NO
3. Emergency alarms appear to be in good operating condition?	YES	NO

D. Container/Drum Accumulation

1. All drums are free of spills, leaks, swelling, corrosion or damage?	(YES)	NO
2. All containers are kept closed or othewise covered when not in use?	(YES)	NO

E. Security

1. Gates are properly secured?	(YES)	NO

F. Emergency Equipment - Safety Showers/Eyewashes

1. Showers and eyewashes checked to be in good working condition.
2. All are accessible without obstructions.
3. Water has been run for at least 5 seconds or until water is clear.

SAFETY SHOWERS/EYEWASHES

Work? - Working? Access? - Accessible? Clear? - Water Clear?

	Work?	Access?	Clear?		Work?	Access?	Clear?		Work?	Access?	Clear?
1.	(Y) N	(Y) N	(Y) N	11.	(Y) N	(Y) N	(Y) N	21.	(Y) N	(Y) N	(Y) N
2.	(Y) N	(Y) N	(Y) N	12.	(Y) N	(Y) N	(Y) N	22.	(Y) N	(Y) N	(Y) N
3.	(Y) N	(Y) N	(Y) N	13.	(Y) N	(Y) N	(Y) N	23.	(Y) N	(Y) N	(Y) N
4.	(Y) N	(Y) N	(Y) N	14.	(Y) N	(Y) N	(Y) N	24.	(Y) N	(Y) N	(Y) N
5.	(Y) N	(Y) N	(Y) N	15.	(Y) N	(Y) N	(Y) N	25.	(Y) N	(Y) N	(Y) N
6.	(Y) N	(Y) N	(Y) N	16.	(Y) N	(Y) N	(Y) N	26.	(Y) N	(Y) N	(Y) N
7.	(Y) N	(Y) N	(Y) N	17.	(Y) N	(Y) N	(Y) N		Y N	Y N	Y N
8.	(Y) N	(Y) N	(Y) N	18.	(Y) N	(Y) N	(Y) N		Y N	Y N	Y N
9.	(Y) N	(Y) N	(Y) N	19.	(Y) N	(Y) N	(Y) N		Y N	Y N	Y N
10.	(Y) N	(Y) N	(Y) N	20.	(Y) N	(Y) N	(Y) N		Y N	Y N	Y N

LOCATION OF SAFETY SHOWER AND EYE WASH
(REVISED 5/20/88)

1	West Side of IT Oil Boiler Building	Shower & Eyewash
2	Inside SRS Containment	Shower & Eyewash
3	Inside Acid Berm	Shower & Eyewash
4	Outside Acid Berm, Northside	Shower & Eyewash
5	Next to Durco Pump #3	Shower & Eyewash
6	East Side Hydrogen Peroxide Berm	Shower & Eyewash
7	North End of Durco 1 & 2 Pit	Shower & Eyewash
8	South End of Durco 1 & 2 Pit	Shower & Eyewash
9	East Side of Tank T-17	Shower & Eyewash
10	North East Side of Tank T-12	Shower & Eyewash
11	Acid Tank T-1 Unload Station	Shower & Eyewash
12	Tank T-14 Unload Station	Shower & Eyewash
13	Between Tank T-18 & T-20 Unload Station	Shower & Eyewash
14	Operation Laboratory	Shower & Eyewash
15	South Side of Tank T-215-A	Shower & Eyewash
16	East Side of Motor Control Center	Shower & Eyewash
17	South East Corner Boiler Water Treatment Building	Shower & Eyewash
18	West Side of Heat Exchanger	Shower & Eyewash
19	Drum Storage Area in Fab Yard	Shower & Eyewash
20	Inside Pilot Plant Containment	Shower & Eyewash
21	East Side Pilot Plant Containment	Shower & Eyewash
22	Across from Impoundment 103 Pump	Shower & Eyewash
23	North East Corner Impoundment 106	Shower & Eyewash
24	Men's Bathroom, Inside Maintenance Bldg	Shower
25	South of Tank T23 and T24	Shower & Eyewash
26	On Fence North of Oil Separator	Shower & Eyewash
27	Open	
28	Open	
29	Open	
30	Open	

5. DAILY INSPECTION PROCEDURES

The following outline identifies the equipment to be inspected and the types of problems which are looked for by the inspector. A line-by-line explanation of the Daily Inspection Report is provided below.

A. RECEIVING, STORAGE AND TREATMENT SYSTEMS

1. Waste feed shut-off system. Operate each truck unloading valve by activating the valve switch. The valve should close quickly and smoothly.

2. Drainage system. Check that the drainage system is operating properly.

3. Pressure relief system (PVRV'S). Check that the PVRV'S on each tank are operational by moving the plungers up and down.

4. Tank level. Record the current tank liquid level.

5. Alarm system. Check alarm lights on main instrument panel by activating test switch.

6. Signs of leakage from tanks or piping. Check for evidence of a leak from the tank and its associated piping.

7. Any evidence of corrosion on tanks or piping. Check for any evidence of external corrosion (such as discoloration, pitting, or scaling) on tanks and piping.

8. Chemical hazards placard legible and in good condition. Verify that the placard is free of dirt and grease and nothing is covering the identification.

9. Any signs of seepage from containment structure. Look for evidence of any liquids found outside the containment structure that may have seeped out.

B. SURFACE IMPOUNDMENTS

1. Impoundment freeboard. Record levels of actual freeboard in feet and tenths of a foot.

2. Dikes, levees, and berms are free of signs of erosion or deterioration. Check for any erosion or signs these structures may be deteriorating.

3. Discharge pumps and piping are in good working order. Check for any signs of leaks, corrosion, or deterioration in piping and pumps.

C. INCINERATOR - BOILER

1. Piping and pumps are free of leaks or signs of corrosion. Check for evidence of leaks or corrosion on feed pumps, valving, and piping.

2. Visible emissions from stack. Check for any visible emissions from the stack.

3. Emergency alarms appear in good operating condition. Taylor system alarms are self-diagnostic - check for any alarm modes.

D. CONTAINERS/DRUMS

1. All drums are free of spills, leaks, swelling, corrosion, or damage. Check all product and waste drums for these signs.

2. All containers are kept closed or otherwise covered when not in use.

E. SECURITY

1. Gates are properly secured. Check that all gates not in use are secure and locks are locked.

F. EMERGENCY EQUIPMENT

1. Showers and eyewashes checked to be in good working condition. Operate shower and eyewash to test for good flow of water.

2. All are accessible without obstructions. Check that no physical obstructions exist in getting to safety showers or eyewashes.

3. Water has been run for at least 5 seconds or until water is clear. Check that water going to showers is clean and usable.

Subpart
& Page Content

Date: 6-15-88; 6-16-88

Facility: International Technology Corp
Vine Hill Facility
896 Waterbird Way
Martinez, CA 94553
CAD 000094771

Site reps:

Also: Y Generator
___ Transporter

265:
1 Interim status qualifications
2 Loss of interim status
B1 Required notices
B1 General waste analysis
B3 Security
B3 General inspection requirements
B4 Personnel training
B5 Ignitable/reactive/incomp. wastes
C1 Preparedness-equipment & alarms
C2 " - aisle space and arrangements
D1 Contingency plan
D2 " - emergency coord. & proceedures
D4 " - reporting
E1 Manifest system and recordkeeping
E2 Operating record
E3 Biennial report
F1 Ground-water monitoring - records
F3 Facilities affecting GW quality
G1 Closure plan
G4 Post-closure plan
G5 Closure activities
G6 Closure certification
G7 Post-closure certification
H1 Closure cost estimate
H2 Financial assurance for closure
H3 Post-closure care cost estimate
H4 Financial assurance for post-closure
H5 Liability requirements
I1 Containers (S01)
J1 H.W. Tanks (S02)(T01)
J3 " - assessment for leaking
J4 " - new systems
J5 " " " corrosion cert.
J6 " - secondary containment
J9 " - leaks, spills, unfit for use
J10 " - repair, containment, retrofit
K1 Surface impoundments (S04)(T02)(D83)
L1 Waste piles (S03)
M1 Land Treatment (D81)
M1 " " - unsaturated zone monit.
M3 " " - food chain crops
N1 Landfills (D80)
N2 " - ignitable/reactive & drums
N3 " - liquids
N4 " - lab packs
O1 Incinerators (T03)
P1 Other Thermal treatment (T04)
P2 Open burning of explosives (T04)
✓Q1 Chemical/physical/biological (T04)

266: C1 Recyclable mtls/ use as disposal
D1 H.W. burned for energy recovery
E1 used oil " " " "
F1 Precious metals being reclaimed
G1 Lead-acid batteries being reclaimed

268: Land disposal restrictions

280: Underground product storage tanks

Interim Status:
(Part 270 Subpart G)

	Yes	No	Comments
For the existing HWM facility to be treated as having been issued a permit, has the facility:			
Obtained an EPA Identification number by submitting a Notification of Hazardous Waste Activity? and/or: 265.11, 270.70(a)(1)	X		
Complied with the 270.10 deadlines for Part A submissions*? 270.70(a)(2)	X		Date(s): November 1980
Completed the Part A per 270.13? 270.70(b)			
Not previously been denied a RCRA permit or interim status? 270.70(c)	X		
Has the facility complied with the following restrictions while operating under interim status: 270.71(a)-			
(1) Has only treated, stored or disposed of H.W. specified in the Part A?	X		
(2) Has only employed processes specified in the Part A?	X		
(3) Has not exceeded design capacities specified in the Part A?	X		
Has a revised Part A been submitted prior to the following changes: 270.72-			revised Part A submitted 1-20-87
(a) T/S/D of H.W. not previously identified in the Part A?			n/a
(b) Increases in design capacity of processes?			n/a
(c) Changes in or additions to processes?		X	reflects change in design capacity due to deletion of Pond 102B
(d) 90 days prior to change in ownership?			n/a
(e) Have the changes made not amounted to reconstruction? (>50% of costs for an entirely new facility, except for changes made solely for complying with new 265.193 (tanks).)	X		covered in Consent Agreement 7886 Section III. e.3.

*earliest applicable of: 11/19/80, 6 months after new reg's published, 30 days after they first become subject to reg's. (270.10(e)(i)-(iii)(3))

	Yes	No	Comments
Termination of interim status:			
Did the facility submit a requested Part B in full, and on time? 270.10(e)(5), 270.73(b)	X	—	facility issued permit 9-26-83 for treatment & storage in tanks & containers.
For land disposal facilities granted interim status prior to 11/8/84, did the facility submit before 11/8/85: 270.73(c)-			ISD issued 4-6-81 for disposal in incinerator & treatment, storage, disposal in surface impoundments
(1) Part B of the permit application?	X	—	submitted 3-14-83
(2) Certification of compliance with all applicable ground water monitoring and financial responsibility requirements?	—	—	not evaluated
For land disposal facilities granted interim status after 11/8/84, did the facility submit within 12 months: 270.73(d)-			n/a ↓
(1) Part B of the permit application?			
(2) Certification of compliance with all GW monitoring and financial responsibility requirements?	—	—	
For incinerator facilities, did the facility submit a Part B before 11/8/86? 270.73(e)	X	—	
For any other facility, has a Part B been submitted?* 270.73(f)	(X	—	)

See also surface impoundments (265.221(b), p. K1) and landfills (265.301(b), p. N1).

facility closed accepting waste 12-1-87

*If not submitted prior to 11/8/88, interim status will terminate on 11/8/92.